



03/04/08



Technical Report for

KLEINFELDER

Falcon Refinery Superfund Site/Ingleside, TX

Accutest Job Number: T19944

Sampling Date: 12/03/07

Report to:

KLEINFELDER

shalasz@kleinfelder.com

ATTN: Stephen Halasz

Total number of pages in report: **213**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Ron Martino
Laboratory Manager

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Test results relate only to samples analyzed.



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Sample Summary

KLEINFELDER

Job No: T19944

Falcon Refinery Superfund Site/Ingleside, TX

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
T19944-1	12/03/07	09:20 PS	12/04/07	SO	Soil	FR-085
T19944-1D	12/03/07	09:20 PS	12/04/07	SO	Soil Dup/MSD	FR-085 MSD
T19944-1S	12/03/07	09:20 PS	12/04/07	SO	Soil Matrix Spike	FR-085 MS
T19944-2	12/03/07	09:30 PS	12/04/07	SO	Soil	FR-086
T19944-3	12/03/07	10:00 PS	12/04/07	AQ	Water	FR-087
T19944-4	12/03/07	11:20 PS	12/04/07	SO	Soil	FR-088
T19944-5	12/03/07	11:25 PS	12/04/07	SO	Soil	FR-089
T19944-6	12/03/07	11:30 PS	12/04/07	SO	Soil	FR-090
T19944-7	12/03/07	11:50 PS	12/04/07	AQ	Water	FR-091
T19944-8	12/03/07	14:25 PS	12/04/07	SO	Soil	FR-092
T19944-9	12/03/07	14:30 PS	12/04/07	SO	Soil	FR-093
T19944-10	12/03/07	15:20 PS	12/04/07	SO	Soil	FR-094
T19944-11	12/03/07	15:25 PS	12/04/07	SO	Soil	FR-095

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



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Sample Summary

(continued)

KLEINFELDER

Job No: T19944

Falcon Refinery Superfund Site/Ingleside, TX

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
T19944-12	12/03/07	16:20 PS	12/04/07	SO	Soil	FR-096
T19944-13	12/03/07	16:25 PS	12/04/07	SO	Soil	FR-097
T19944-14	12/03/07	16:40 PS	12/04/07	AQ	Water	FR-098
T19944-15	12/03/07	00:00 PS	12/04/07	AQ	Trip Blank Soil	TRIP BLANK
T19944-16	12/03/07	00:00 PS	12/04/07	AQ	Trip Blank Soil	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: KLEINFELDER

Job No T19944

Site: Falcon Refinery Superfund Site/Ingleside, TX

Report Date 12/28/2007 3:38:50 PM

14 Samples and 1 Trip Blank were collected on 12/03/2007 and were received at Accutest on 12/04/2007 properly preserved, at 3.3 Deg. C and intact. These Samples received an Accutest job number of T19944. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ

Batch ID: VF2797

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19944-14MS, T19944-14MSD were used as the QC samples indicated.
- VF2797-MB for Methylene chloride: Suspected laboratory contaminant.

Matrix SO

Batch ID: VM45

- All samples were analyzed within the recommended method holding time.
- Sample(s) T19944-1MS, T19944-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Bromochloromethane, Bromodichloromethane, Bromoform, Dibromochloromethane, Methylene bromide, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Bromochloromethane, Bromodichloromethane, Bromoform, Dibromochloromethane, Methylene bromide, p-Isopropyltoluene, Vinyl Acetate are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for 2-Hexanone, Bromodichloromethane, Bromoform, Dibromochloromethane, Methyl bromide, p-Isopropyltoluene are outside control limits for sample T19944-1MSD. Probable cause due to sample homogeneity.

Extractables by GCMS By Method SW846 8270C

Matrix AQ

Batch ID: OP8628

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) OP8628-MSMSD, T19927-10MS, T19927-10MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits biased high.
- Matrix Spike Recovery(s) for 6-Methyl Chrysene are outside control limits. Probable cause due to matrix interference.

Matrix SO

Batch ID: OP8652

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19944-1MS, T19944-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for 1,3-Dichlorobenzene are outside control limits for sample OP8652-MSD. Probable cause due to sample homogeneity.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix AQ	Batch ID: OP8629
------------------	-------------------------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8081A

Matrix SO	Batch ID: OP8631
------------------	-------------------------

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) T19927-2MS, T19927-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 4,4'-DDD, 4,4'-DDT, Endrin aldehyde are outside control limits. Probable cause due to matrix interference.

Extractables by GC By Method SW846 8082

Matrix SO	Batch ID: OP8630
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) T19934-1MS, T19934-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP8630-MS: Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- OP8630-MSD: Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Extractables by GC By Method SW846 8151

Matrix SO	Batch ID: OP8643
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) OP8643-MSMSD, T19927-4MS, T19927-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for Dinoseb are outside control limits. Probable cause due to matrix interference.
- RPD(s) for MSD for Dinoseb are outside control limits for sample OP8643-MSD. Probable cause due to sample homogeneity.

Metals By Method SW846 6010B

2

Matrix AQ**Batch ID:** MP7014

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19927-10DUP, T19927-10MS, T19927-10MSD, T19927-10SDL, T19927-10DUP were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Duplicate for Antimony, Lead, Thallium, Zinc are outside control limits for sample MP7014-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Arsenic, Copper, Lead, Nickel, Thallium, Vanadium, Zinc, Potassium are outside control limits for sample MP7014-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP7014-SD1 for Potassium: Serial dilution indicates possible matrix interference.

Matrix AQ**Batch ID:** MP7039

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19927-10DUP, T19927-10MS, T19927-10MSD, T19927-10SDL were used as the QC samples for metals.

Matrix SO**Batch ID:** MP6987

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19944-1DUP, T19944-1MS, T19944-1MSD, T19944-1SDL, T19944-1DUP were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Barium, Iron, Manganese, Zinc are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Antimony, Barium, Iron, Zinc are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Duplicate for Aluminum, Barium, Calcium, Chromium, Iron, Lead, Magnesium, Manganese, Potassium, Sodium, Vanadium, Beryllium, Cadmium, Cobalt, Copper, Nickel are outside control limits for sample MP6987-D1. High RPD due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Cobalt, Beryllium, Chromium, Iron, Lead, Magnesium, Manganese, Nickel, Vanadium, Zinc are outside control limits for sample MP6987-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP6987-D1 for Nickel: RPD acceptable due to low duplicate and sample concentrations.
- MP6987-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Vanadium: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Nickel: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Manganese: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Magnesium: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Lead: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Iron: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Chromium: Serial dilution indicates possible matrix interference.
- MP6987-SD1 for Beryllium: Serial dilution indicates possible matrix interference.
- MP6987-D1 for Cadmium: RPD acceptable due to low duplicate and sample concentrations.
- MP6987-D1 for Beryllium: RPD acceptable due to low duplicate and sample concentrations.

Metals By Method SW846 6010B

Matrix	SO	Batch ID:	MP6987
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- MP6987-D1 for Copper: RPD acceptable due to low duplicate and sample concentrations.
- MP6987-D1 for Cobalt: RPD acceptable due to low duplicate and sample concentrations.

Metals By Method SW846 7470A

Matrix	AQ	Batch ID:	MP7018
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19927-10DUP, T19927-10MSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference.

Metals By Method SW846 7471A

Matrix	SO	Batch ID:	MP7033
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- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) T19944-1DUP, T19944-1MS, T19944-1MSD were used as the QC samples for metals.

Wet Chemistry By Method EPA 160.3 M

Matrix	SO	Batch ID:	GN12819
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- Sample(s) T20003-6DUP were used as the QC samples for Solids, Percent.

Wet Chemistry By Method SW846 3060A/7196A

Matrix	SO	Batch ID:	F:GN28760
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- Chromium, Hexavalent: Analysis performed at Accutest Laboratories, Orlando, FL.

Wet Chemistry By Method SW846 7196A

Matrix	AQ	Batch ID:	GN12775
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- All method blanks for this batch meet method specific criteria.
- Sample(s) T19944-14DUP, T19944-14MS were used as the QC samples for Chromium, Hexavalent.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Accutest Laboratories Gulf Coast, Inc.

Job No: T19944

Site: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

Report Date 12/28/2007 4:15:11

11 Samples were collected on 12/03/2007 and were received at Accutest on 12/04/2007 properly preserved and intact. These Samples received an Accutest job number of T19944. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Wet Chemistry By Method SW846 3060A/7196A

Matrix: SO

Batch ID: GN28760

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) T19944-4MS, T19944-4DUP were used as the QC samples for Chromium, Hexavalent.

RPD(s) for Duplicate for Chromium, Hexavalent are outside control limits for sample GN28760-D1. RPD acceptable due to low duplicate and sample concentrations.

Matrix: SO

Batch ID: GN28761

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) T19944-8DUP, T19944-8MS were used as the QC samples for Chromium, Hexavalent.

Matrix Spike Recovery(s) for Chromium, Hexavalent are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used

Narrative prepared by:

Date: December 28, 2007

Svetlana Izosimova, QAO (signature on file)



IT'S ALL IN THE CHEMISTRY

Section 3

3

Sample Results

Report of Analysis

Report of Analysis

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1.1

3

Client Sample ID:	FR-085	Date Sampled:	12/03/07
Lab Sample ID:	T19944-1	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	55.9
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001077.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.11 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.013 U	0.088	0.013	mg/kg	
71-43-2	Benzene	0.0024 U	0.0088	0.0024	mg/kg	
108-86-1	Bromobenzene	0.0022 U	0.0088	0.0022	mg/kg	
74-97-5	Bromochloromethane	0.0025 U	0.0088	0.0025	mg/kg	
75-27-4	Bromodichloromethane	0.0025 U	0.0088	0.0025	mg/kg	
75-25-2	Bromoform	0.0021 U	0.0088	0.0021	mg/kg	
71-36-3	n-Butyl Alcohol	0.088 U	0.088	0.088	mg/kg	
104-51-8	n-Butylbenzene	0.0017 U	0.0088	0.0017	mg/kg	
98-06-6	tert-Butylbenzene	0.0018 U	0.0088	0.0018	mg/kg	
108-90-7	Chlorobenzene	0.0025 U	0.0088	0.0025	mg/kg	
75-00-3	Chloroethane	0.0025 U	0.0088	0.0025	mg/kg	
67-66-3	Chloroform	0.0022 U	0.0088	0.0022	mg/kg	
95-49-8	o-Chlorotoluene	0.0021 U	0.0088	0.0021	mg/kg	
106-43-4	p-Chlorotoluene	0.0020 U	0.0088	0.0020	mg/kg	
75-15-0	Carbon disulfide	0.0022 U	0.018	0.0022	mg/kg	
56-23-5	Carbon tetrachloride	0.0019 U	0.0088	0.0019	mg/kg	
110-82-7	Cyclohexane	0.0020 U	0.0088	0.0020	mg/kg	
75-34-3	1,1-Dichloroethane	0.0023 U	0.0088	0.0023	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0022 U	0.0088	0.0022	mg/kg	
563-58-6	1,1-Dichloropropene	0.0021 U	0.0088	0.0021	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0025 U	0.0088	0.0025	mg/kg	
106-93-4	1,2-Dibromoethane	0.0025 U	0.0088	0.0025	mg/kg	
107-06-2	1,2-Dichloroethane	0.0024 U	0.0088	0.0024	mg/kg	
78-87-5	1,2-Dichloropropane	0.0026 U	0.0088	0.0026	mg/kg	
142-28-9	1,3-Dichloropropane	0.0025 U	0.0088	0.0025	mg/kg	
123-91-1	1,4-Dioxane	0.042 U	0.44	0.042	mg/kg	
594-20-7	2,2-Dichloropropane	0.0019 U	0.0088	0.0019	mg/kg	
124-48-1	Dibromochloromethane	0.0024 U	0.0088	0.0024	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0019 U	0.0088	0.0019	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0024 U	0.0088	0.0024	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0022 U	0.0088	0.0022	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0023 U	0.0088	0.0023	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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1.1

3

Client Sample ID:	FR-085	Date Sampled:	12/03/07
Lab Sample ID:	T19944-1	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	55.9
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
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10061-02-6	trans-1,3-Dichloropropene	0.0024 U	0.0088	0.0024	mg/kg
100-41-4	Ethylbenzene	0.0022 U	0.0088	0.0022	mg/kg
60-29-7	Ethyl Ether	0.0088 U	0.0088	0.0088	mg/kg
110-54-3	Hexane	0.0019 U	0.0088	0.0019	mg/kg
591-78-6	2-Hexanone	0.012 U	0.088	0.012	mg/kg
87-68-3	Hexachlorobutadiene	0.0020 U	0.0088	0.0020	mg/kg
98-82-8	Isopropylbenzene	0.0021 U	0.0088	0.0021	mg/kg
99-87-6	p-Isopropyltoluene	0.0021 U	0.0088	0.0021	mg/kg
108-10-1	4-Methyl-2-pentanone	0.012 U	0.088	0.012	mg/kg
74-83-9	Methyl bromide	0.0026 U	0.0088	0.0026	mg/kg
74-87-3	Methyl chloride	0.0025 U	0.0088	0.0025	mg/kg
74-95-3	Methylene bromide	0.0035 U	0.0088	0.0035	mg/kg
75-09-2	Methylene chloride	0.0043 U	0.018	0.0043	mg/kg
78-93-3	Methyl ethyl ketone	0.012 U	0.088	0.012	mg/kg
103-65-1	n-Propylbenzene	0.0019 U	0.0088	0.0019	mg/kg
100-42-5	Styrene	0.0022 U	0.0088	0.0022	mg/kg
630-20-6	1,1,1,2-Tetrachloroethane	0.0025 U	0.0088	0.0025	mg/kg
71-55-6	1,1,1-Trichloroethane	0.0021 U	0.0088	0.0021	mg/kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0025 U	0.0088	0.0025	mg/kg
79-00-5	1,1,2-Trichloroethane	0.0024 U	0.0088	0.0024	mg/kg
87-61-6	1,2,3-Trichlorobenzene	0.0021 U	0.0088	0.0021	mg/kg
96-18-4	1,2,3-Trichloropropane	0.0025 U	0.0088	0.0025	mg/kg
120-82-1	1,2,4-Trichlorobenzene	0.0018 U	0.0088	0.0018	mg/kg
95-63-6	1,2,4-Trimethylbenzene	0.0019 U	0.0088	0.0019	mg/kg
108-67-8	1,3,5-Trimethylbenzene	0.0019 U	0.0088	0.0019	mg/kg
127-18-4	Tetrachloroethylene	0.0023 U	0.0088	0.0023	mg/kg
108-88-3	Toluene	0.0022 U	0.0088	0.0022	mg/kg
79-01-6	Trichloroethylene	0.0022 U	0.0088	0.0022	mg/kg
75-69-4	Trichlorofluoromethane	0.0018 U	0.0088	0.0018	mg/kg
75-01-4	Vinyl chloride	0.0024 U	0.0088	0.0024	mg/kg
108-05-4	Vinyl Acetate	0.013 U	0.044	0.013	mg/kg
1330-20-7	Xylene (total)	0.0066 U	0.026	0.0066	mg/kg

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		68-127%
2037-26-5	Toluene-D8	125%		76-139%
460-00-4	4-Bromofluorobenzene	127%		68-167%
17060-07-0	1,2-Dichloroethane-D4	97%		56-121%

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-085	Date Sampled:	12/03/07
Lab Sample ID:	T19944-1	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	55.9
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24825.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.30 U	0.30	0.30	mg/kg	
65-85-0	Benzoic acid	0.074 U	1.5	0.074	mg/kg	
95-57-8	2-Chlorophenol	0.091 U	0.30	0.091	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.068 U	0.30	0.068	mg/kg	
120-83-2	2,4-Dichlorophenol	0.10 U	0.30	0.10	mg/kg	
105-67-9	2,4-Dimethylphenol	0.094 U	0.30	0.094	mg/kg	
51-28-5	2,4-Dinitrophenol	0.10 U	1.5	0.10	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.19 U	0.59	0.19	mg/kg	
95-48-7	2-Methylphenol	0.065 U	0.30	0.065	mg/kg	
	3&4-Methylphenol	0.097 U	0.30	0.097	mg/kg	
100-02-7	4-Nitrophenol	0.12 U	0.30	0.12	mg/kg	
87-86-5	Pentachlorophenol	0.078 U	1.5	0.078	mg/kg	
108-95-2	Phenol	0.12 U	0.30	0.12	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.083 U	0.30	0.083	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.080 U	0.30	0.080	mg/kg	
83-32-9	Acenaphthene	0.072 U	0.30	0.072	mg/kg	
208-96-8	Acenaphthylene	0.080 U	0.30	0.080	mg/kg	
120-12-7	Anthracene	0.097 U	0.30	0.097	mg/kg	
56-55-3	Benzo(a)anthracene	0.11 U	0.30	0.11	mg/kg	
50-32-8	Benzo(a)pyrene	0.097 U	0.30	0.097	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.13 U	0.30	0.13	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.16 U	0.30	0.16	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.14 U	0.30	0.14	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.11 U	0.30	0.11	mg/kg	
85-68-7	Butyl benzyl phthalate	0.14 U	0.30	0.14	mg/kg	
100-51-6	Benzyl Alcohol	0.11 U	0.30	0.11	mg/kg	
91-58-7	2-Chloronaphthalene	0.083 U	0.30	0.083	mg/kg	
106-47-8	4-Chloroaniline	0.084 U	0.30	0.084	mg/kg	
86-74-8	Carbazole	0.13 U	0.30	0.13	mg/kg	
218-01-9	Chrysene	0.097 U	0.30	0.097	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.11 U	0.30	0.11	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.064 U	0.30	0.064	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-085	Date Sampled:	12/03/07
Lab Sample ID:	T19944-1	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	55.9
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.091 U	0.30	0.091	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.10 U	0.30	0.10	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.092 U	0.30	0.092	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.083 U	0.30	0.083	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.13 U	0.30	0.13	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.077 U	0.30	0.077	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.12 U	0.59	0.12	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.30 U	0.30	0.30	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.30 U	0.30	0.30	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.10 U	0.30	0.10	mg/kg	
132-64-9	Dibenzofuran	0.082 U	0.30	0.082	mg/kg	
122-39-4	Diphenylamine	0.13 U	0.30	0.13	mg/kg	
84-74-2	Di-n-butyl phthalate	0.15 U	0.30	0.15	mg/kg	
117-84-0	Di-n-octyl phthalate	0.27 U	0.30	0.27	mg/kg	
84-66-2	Diethyl phthalate	0.083 U	0.30	0.083	mg/kg	
131-11-3	Dimethyl phthalate	0.074 U	0.30	0.074	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.15 U	0.30	0.15	mg/kg	
206-44-0	Fluoranthene	0.13 U	0.30	0.13	mg/kg	
86-73-7	Fluorene	0.090 U	0.30	0.090	mg/kg	
118-74-1	Hexachlorobenzene	0.097 U	0.30	0.097	mg/kg	
87-68-3	Hexachlorobutadiene	0.090 U	0.30	0.090	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.11 U	0.30	0.11	mg/kg	
67-72-1	Hexachloroethane	0.087 U	0.30	0.087	mg/kg	
95-13-6	Indene	1.5 U	1.5	1.5	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.12 U	0.30	0.12	mg/kg	
78-59-1	Isophorone	0.078 U	0.30	0.078	mg/kg	
90-12-0	1-Methylnaphthalene	0.071 U	0.30	0.071	mg/kg	
91-57-6	2-Methylnaphthalene	0.079 U	0.30	0.079	mg/kg	
	6-Methyl Chrysene	0.30 U	0.30	0.30	mg/kg	
88-74-4	2-Nitroaniline	0.077 U	0.30	0.077	mg/kg	
99-09-2	3-Nitroaniline	0.11 U	0.30	0.11	mg/kg	
100-01-6	4-Nitroaniline	0.16 U	0.30	0.16	mg/kg	
91-20-3	Naphthalene	0.072 U	0.30	0.072	mg/kg	
98-95-3	Nitrobenzene	0.083 U	0.30	0.083	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.12 U	0.30	0.12	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.13 U	0.30	0.13	mg/kg	
85-01-8	Phenanthrene	0.11 U	0.30	0.11	mg/kg	
129-00-0	Pyrene	0.14 U	0.30	0.14	mg/kg	
91-22-5	Quinoline	0.30 U	0.30	0.30	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.078 U	0.30	0.078	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-085	Date Sampled:	12/03/07
Lab Sample ID:	T19944-1	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	55.9
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.30 U	0.30	0.30	mg/kg	
	1,2-Cyclohexanediol	0.30 U	0.30	0.30	mg/kg	
98-85-1	1-Phenylethanol	0.30 U	0.30	0.30	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	54%			26-124%	
4165-62-2	Phenol-d5	62%			19-106%	
118-79-6	2,4,6-Tribromophenol	76%			18-129%	
4165-60-0	Nitrobenzene-d5	64%			18-104%	
321-60-8	2-Fluorobiphenyl	68%			21-114%	
1718-51-0	Terphenyl-d14	69%			24-149%	

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-085	Date Sampled:	12/03/07
Lab Sample ID:	T19944-1	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	55.9
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	25400	25	5.5	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Antimony	0.34 U	1.3	0.34	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Arsenic	3.0	1.3	0.25	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Barium	109	25	0.076	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Beryllium	0.89	0.63	0.025	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Cadmium	0.19 B	0.63	0.13	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Calcium	39000	630	2.2	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Chromium	14.9	1.3	0.089	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Cobalt	4.6 B	6.3	0.23	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Copper	9.6	3.2	0.16	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Iron	15100	13	2.8	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Lead	10.4	1.3	0.51	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Magnesium	7140	630	1.5	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Manganese	210	1.9	0.089	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Mercury	0.079	0.027	0.0011	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ²	SW846 7471A ⁴
Nickel	9.3	5.1	0.16	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Potassium	6150	630	39	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Selenium	0.30 U	1.3	0.30	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Silver	0.10 U	1.3	0.10	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Sodium	5650	630	34	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Thallium	0.63 U	2.5	0.63	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Vanadium	29.3	6.3	0.15	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³
Zinc	156	2.5	0.51	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ³

(1) Instrument QC Batch: MA3263

(2) Instrument QC Batch: MA3277

(3) Prep QC Batch: MP6987

(4) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-085	Date Sampled:	12/03/07
Lab Sample ID:	T19944-1	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	55.9
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.8 U	3.6	1.8	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	55.9			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-086	Date Sampled:	12/03/07
Lab Sample ID:	T19944-2	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001078.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.18 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0127	0.058	0.0083	mg/kg	J
71-43-2	Benzene	0.0016 U	0.0058	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0058	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0058	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0058	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.058 U	0.058	0.058	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0058	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0058	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0016 U	0.0058	0.0016	mg/kg	
75-00-3	Chloroethane	0.0016 U	0.0058	0.0016	mg/kg	
67-66-3	Chloroform	0.0014 U	0.0058	0.0014	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0058	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0058	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0015 U	0.012	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	0.0013 U	0.0058	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0013 U	0.0058	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0058	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0058	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0016 U	0.0058	0.0016	mg/kg	
106-93-4	1,2-Dibromoethane	0.0016 U	0.0058	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.29	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0058	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0058	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0058	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-086	Date Sampled:	12/03/07
Lab Sample ID:	T19944-2	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0058	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0058	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0058 U	0.0058	0.0058	mg/kg	
110-54-3	Hexane	0.0012 U	0.0058	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0079 U	0.058	0.0079	mg/kg	
87-68-3	Hexachlorobutadiene	0.0013 U	0.0058	0.0013	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0058	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0058	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0081 U	0.058	0.0081	mg/kg	
74-83-9	Methyl bromide	0.0017 U	0.0058	0.0017	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0058	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0023 U	0.0058	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0028 U	0.012	0.0028	mg/kg	
78-93-3	Methyl ethyl ketone	0.0078 U	0.058	0.0078	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0058	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0016 U	0.0058	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0058	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0058	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0058	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0016 U	0.0058	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0058	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
108-88-3	Toluene	0.0015 U	0.0058	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0058	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0088 U	0.029	0.0088	mg/kg	
1330-20-7	Xylene (total)	0.0044 U	0.017	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		68-127%
2037-26-5	Toluene-D8	119%		76-139%
460-00-4	4-Bromofluorobenzene	112%		68-167%
17060-07-0	1,2-Dichloroethane-D4	101%		56-121%

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	FR-086	Date Sampled:	12/03/07
Lab Sample ID:	T19944-2	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24802.D	1	12/11/07	SC	12/07/07	OP8652	EA1540
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.049 U	0.98	0.049	mg/kg	
95-57-8	2-Chlorophenol	0.060 U	0.20	0.060	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.045 U	0.20	0.045	mg/kg	
120-83-2	2,4-Dichlorophenol	0.066 U	0.20	0.066	mg/kg	
105-67-9	2,4-Dimethylphenol	0.062 U	0.20	0.062	mg/kg	
51-28-5	2,4-Dinitrophenol	0.066 U	0.98	0.066	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.12 U	0.39	0.12	mg/kg	
95-48-7	2-Methylphenol	0.043 U	0.20	0.043	mg/kg	
	3&4-Methylphenol	0.064 U	0.20	0.064	mg/kg	
100-02-7	4-Nitrophenol	0.077 U	0.20	0.077	mg/kg	
87-86-5	Pentachlorophenol	0.052 U	0.98	0.052	mg/kg	
108-95-2	Phenol	0.079 U	0.20	0.079	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.055 U	0.20	0.055	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.053 U	0.20	0.053	mg/kg	
83-32-9	Acenaphthene	0.047 U	0.20	0.047	mg/kg	
208-96-8	Acenaphthylene	0.053 U	0.20	0.053	mg/kg	
120-12-7	Anthracene	0.064 U	0.20	0.064	mg/kg	
56-55-3	Benzo(a)anthracene	0.073 U	0.20	0.073	mg/kg	
50-32-8	Benzo(a)pyrene	0.064 U	0.20	0.064	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.083 U	0.20	0.083	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.090 U	0.20	0.090	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.075 U	0.20	0.075	mg/kg	
85-68-7	Butyl benzyl phthalate	0.094 U	0.20	0.094	mg/kg	
100-51-6	Benzyl Alcohol	0.069 U	0.20	0.069	mg/kg	
91-58-7	2-Chloronaphthalene	0.055 U	0.20	0.055	mg/kg	
106-47-8	4-Chloroaniline	0.055 U	0.20	0.055	mg/kg	
86-74-8	Carbazole	0.084 U	0.20	0.084	mg/kg	
218-01-9	Chrysene	0.064 U	0.20	0.064	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.073 U	0.20	0.073	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.042 U	0.20	0.042	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-086	Date Sampled:	12/03/07
Lab Sample ID:	T19944-2	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.060 U	0.20	0.060	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.067 U	0.20	0.067	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.061 U	0.20	0.061	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.055 U	0.20	0.055	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.086 U	0.20	0.086	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.051 U	0.20	0.051	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.080 U	0.39	0.080	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.068 U	0.20	0.068	mg/kg	
132-64-9	Dibenzofuran	0.054 U	0.20	0.054	mg/kg	
122-39-4	Diphenylamine	0.086 U	0.20	0.086	mg/kg	
84-74-2	Di-n-butyl phthalate	0.096 U	0.20	0.096	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.20	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.123	0.20	0.055	mg/kg	J
131-11-3	Dimethyl phthalate	0.049 U	0.20	0.049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.098 U	0.20	0.098	mg/kg	
206-44-0	Fluoranthene	0.088 U	0.20	0.088	mg/kg	
86-73-7	Fluorene	0.060 U	0.20	0.060	mg/kg	
118-74-1	Hexachlorobenzene	0.064 U	0.20	0.064	mg/kg	
87-68-3	Hexachlorobutadiene	0.060 U	0.20	0.060	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.071 U	0.20	0.071	mg/kg	
67-72-1	Hexachloroethane	0.058 U	0.20	0.058	mg/kg	
95-13-6	Indene	0.98 U	0.98	0.98	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.076 U	0.20	0.076	mg/kg	
78-59-1	Isophorone	0.051 U	0.20	0.051	mg/kg	
90-12-0	1-Methylnaphthalene	0.047 U	0.20	0.047	mg/kg	
91-57-6	2-Methylnaphthalene	0.052 U	0.20	0.052	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.051 U	0.20	0.051	mg/kg	
99-09-2	3-Nitroaniline	0.073 U	0.20	0.073	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.047 U	0.20	0.047	mg/kg	
98-95-3	Nitrobenzene	0.055 U	0.20	0.055	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.079 U	0.20	0.079	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.086 U	0.20	0.086	mg/kg	
85-01-8	Phenanthrene	0.073 U	0.20	0.073	mg/kg	
129-00-0	Pyrene	0.096 U	0.20	0.096	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.051 U	0.20	0.051	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-086	Date Sampled:	12/03/07
Lab Sample ID:	T19944-2	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.7
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	38%			26-124%	
4165-62-2	Phenol-d5	43%			19-106%	
118-79-6	2,4,6-Tribromophenol	47%			18-129%	
4165-60-0	Nitrobenzene-d5	41%			18-104%	
321-60-8	2-Fluorobiphenyl	50%			21-114%	
1718-51-0	Terphenyl-d14	58%			24-149%	

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Client Sample ID:	FR-086	Date Sampled:	12/03/07
Lab Sample ID:	T19944-2	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.7
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	1830	22	4.7	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.29 U	1.1	0.29	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	0.80 B	1.1	0.22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	47.5	22	0.065	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.097 B	0.54	0.022	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.11 U	0.54	0.11	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	177 B	540	1.9	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	1.5	1.1	0.076	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	0.34 B	5.4	0.19	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	0.72 B	2.7	0.14	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	1280	11	2.4	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	1.9	1.1	0.43	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	475 B	540	1.2	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	31.7	1.6	0.076	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.00077 U	0.019	0.00077	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	0.73 B	4.3	0.14	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	367 B	540	34	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.26 U	1.1	0.26	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.087 U	1.1	0.087	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	2910	540	29	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.54 U	2.2	0.54	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	2.4 B	5.4	0.13	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	2.8	2.2	0.43	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-086	Date Sampled:	12/03/07
Lab Sample ID:	T19944-2	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.7
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.2 U	2.4	1.2	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	83.7			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID: FR-087
Lab Sample ID: T19944-3
Matrix: AQ - Water
Method: SW846 8260B
Project: Falcon Refinery Superfund Site/Ingleside, TX

Date Sampled: 12/03/07
Date Received: 12/04/07
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088667.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0040	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-087	Date Sampled:	12/03/07
Lab Sample ID:	T19944-3	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
17060-07-0	1,2-Dichloroethane-D4	107%		69-128%
2037-26-5	Toluene-D8	103%		80-121%
460-00-4	4-Bromofluorobenzene	113%		69-142%

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Report of Analysis

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Client Sample ID:	FR-087	Date Sampled:	12/03/07
Lab Sample ID:	T19944-3	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H24623.D	1	12/06/07	SC	12/05/07	OP8628	EH1384
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-087	Date Sampled:	12/03/07
Lab Sample ID:	T19944-3	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050		mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a, h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.0050 U	0.0050	0.0050	mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	
98-85-1	1-Phenylethanol	0.0050 U	0.0050	0.0050	mg/l	
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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3

Client Sample ID:	FR-087	Date Sampled:	12/03/07
Lab Sample ID:	T19944-3	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-66%
4165-62-2	Phenol-d5	36%		10-53%
118-79-6	2,4,6-Tribromophenol	100%		32-128%
4165-60-0	Nitrobenzene-d5	64%		29-115%
321-60-8	2-Fluorobiphenyl	70%		34-113%
1718-51-0	Terphenyl-d14	75%		12-145%

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Client Sample ID: FR-087
Lab Sample ID: T19944-3
Matrix: AQ - Water
Method: SW846 8270C BY SIM SW846 3510C
Project: Falcon Refinery Superfund Site/Ingleside, TX

Date Sampled: 12/03/07
Date Received: 12/04/07
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24712.D	1	12/07/07	SC	12/05/07	OP8629	EA1537
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

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 B = Indicates analyte found in associated method blank
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3

Client Sample ID:	FR-087	Date Sampled:	12/03/07
Lab Sample ID:	T19944-3	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	113 B	200	86	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Antimony	8.1	5.0	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Arsenic	8.2	5.0	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Barium	280	200	2.4	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Calcium	416000	5000	170	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Chromium	1.5 U	10	1.5	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Cobalt	9.6 U	50	9.6	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Copper	5.9 U	25	5.9	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Iron	2950	100	24	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Lead	19.5	3.0	2.8	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Magnesium	1450000	25000	64	ug/l	5	12/12/07	12/14/07 NS	SW846 6010B ³	SW846 3010A ⁵
Manganese	4120	15	4.1	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Mercury	0.094 U	0.20	0.094	ug/l	1	12/12/07	12/12/07 NS	SW846 7470A ¹	SW846 7470A ⁶
Nickel	6.7 B	40	2.6	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Potassium	313000	25000	800	ug/l	5	12/12/07	12/14/07 NS	SW846 6010B ³	SW846 3010A ⁵
Selenium	2.3 U	5.0	2.3	ug/l	1	12/14/07	12/15/07 NS	SW846 6010B ⁴	SW846 3010A ⁷
Silver	1.1 U	10	1.1	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Sodium	8920000	130000	8100	ug/l	25	12/12/07	12/14/07 NS	SW846 6010B ³	SW846 3010A ⁵
Thallium	4.2 B	10	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Vanadium	1.8 B	50	0.94	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Zinc	196	20	7.5	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵

- (1) Instrument QC Batch: MA3271
- (2) Instrument QC Batch: MA3273
- (3) Instrument QC Batch: MA3278
- (4) Instrument QC Batch: MA3280
- (5) Prep QC Batch: MP7014
- (6) Prep QC Batch: MP7018
- (7) Prep QC Batch: MP7039

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-087	Date Sampled:	12/03/07
Lab Sample ID:	T19944-3	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/04/07 07:15	SS	SW846 7196A

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-088	Date Sampled:	12/03/07
Lab Sample ID:	T19944-4	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001079.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.18 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0090 U	0.063	0.0090	mg/kg	
71-43-2	Benzene	0.0017 U	0.0063	0.0017	mg/kg	
108-86-1	Bromobenzene	0.0016 U	0.0063	0.0016	mg/kg	
74-97-5	Bromochloromethane	0.0018 U	0.0063	0.0018	mg/kg	
75-27-4	Bromodichloromethane	0.0018 U	0.0063	0.0018	mg/kg	
75-25-2	Bromoform	0.0015 U	0.0063	0.0015	mg/kg	
71-36-3	n-Butyl Alcohol	0.063 U	0.063	0.063	mg/kg	
104-51-8	n-Butylbenzene	0.0012 U	0.0063	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	0.0013 U	0.0063	0.0013	mg/kg	
108-90-7	Chlorobenzene	0.0018 U	0.0063	0.0018	mg/kg	
75-00-3	Chloroethane	0.0018 U	0.0063	0.0018	mg/kg	
67-66-3	Chloroform	0.0016 U	0.0063	0.0016	mg/kg	
95-49-8	o-Chlorotoluene	0.0015 U	0.0063	0.0015	mg/kg	
106-43-4	p-Chlorotoluene	0.0014 U	0.0063	0.0014	mg/kg	
75-15-0	Carbon disulfide	0.0016 U	0.013	0.0016	mg/kg	
56-23-5	Carbon tetrachloride	0.0014 U	0.0063	0.0014	mg/kg	
110-82-7	Cyclohexane	0.0014 U	0.0063	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	0.0016 U	0.0063	0.0016	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	
563-58-6	1,1-Dichloropropene	0.0015 U	0.0063	0.0015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0018 U	0.0063	0.0018	mg/kg	
106-93-4	1,2-Dibromoethane	0.0018 U	0.0063	0.0018	mg/kg	
107-06-2	1,2-Dichloroethane	0.0017 U	0.0063	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
142-28-9	1,3-Dichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
123-91-1	1,4-Dioxane	0.030 U	0.31	0.030	mg/kg	
594-20-7	2,2-Dichloropropane	0.0014 U	0.0063	0.0014	mg/kg	
124-48-1	Dibromochloromethane	0.0017 U	0.0063	0.0017	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0013 U	0.0063	0.0013	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0017 U	0.0063	0.0017	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0016 U	0.0063	0.0016	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-088	Date Sampled:	12/03/07
Lab Sample ID:	T19944-4	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0017 U	0.0063	0.0017	mg/kg	
100-41-4	Ethylbenzene	0.0016 U	0.0063	0.0016	mg/kg	
60-29-7	Ethyl Ether	0.0063 U	0.0063	0.0063	mg/kg	
110-54-3	Hexane	0.0013 U	0.0063	0.0013	mg/kg	
591-78-6	2-Hexanone	0.0086 U	0.063	0.0086	mg/kg	
87-68-3	Hexachlorobutadiene	0.0015 U	0.0063	0.0015	mg/kg	
98-82-8	Isopropylbenzene	0.0078	0.0063	0.0015	mg/kg	
99-87-6	p-Isopropyltoluene	0.0015 U	0.0063	0.0015	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0088 U	0.063	0.0088	mg/kg	
74-83-9	Methyl bromide	0.0019 U	0.0063	0.0019	mg/kg	
74-87-3	Methyl chloride	0.0018 U	0.0063	0.0018	mg/kg	
74-95-3	Methylene bromide	0.0025 U	0.0063	0.0025	mg/kg	
75-09-2	Methylene chloride	0.0031 U	0.013	0.0031	mg/kg	
78-93-3	Methyl ethyl ketone	0.0085 U	0.063	0.0085	mg/kg	
103-65-1	n-Propylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
100-42-5	Styrene	0.0016 U	0.0063	0.0016	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0018 U	0.0063	0.0018	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0015 U	0.0063	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0018 U	0.0063	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0017 U	0.0063	0.0017	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0015 U	0.0063	0.0015	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0013 U	0.0063	0.0013	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
127-18-4	Tetrachloroethylene	0.0017 U	0.0063	0.0017	mg/kg	
108-88-3	Toluene	0.0016 U	0.0063	0.0016	mg/kg	
79-01-6	Trichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	
75-69-4	Trichlorofluoromethane	0.0013 U	0.0063	0.0013	mg/kg	
75-01-4	Vinyl chloride	0.0017 U	0.0063	0.0017	mg/kg	
108-05-4	Vinyl Acetate	0.0095 U	0.031	0.0095	mg/kg	
1330-20-7	Xylene (total)	0.0048 U	0.019	0.0048	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		68-127%
2037-26-5	Toluene-D8	122%		76-139%
460-00-4	4-Bromofluorobenzene	120%		68-167%
17060-07-0	1,2-Dichloroethane-D4	99%		56-121%

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Report of Analysis

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Client Sample ID:	FR-088	Date Sampled:	12/03/07
Lab Sample ID:	T19944-4	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24803.D	1	12/11/07	SC	12/07/07	OP8652	EA1540
Run #2							

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.21 U	0.21	0.21	mg/kg	
65-85-0	Benzoic acid	0.053 U	1.1	0.053	mg/kg	
95-57-8	2-Chlorophenol	0.066 U	0.21	0.066	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.049 U	0.21	0.049	mg/kg	
120-83-2	2,4-Dichlorophenol	0.072 U	0.21	0.072	mg/kg	
105-67-9	2,4-Dimethylphenol	0.068 U	0.21	0.068	mg/kg	
51-28-5	2,4-Dinitrophenol	0.072 U	1.1	0.072	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.14 U	0.43	0.14	mg/kg	
95-48-7	2-Methylphenol	0.046 U	0.21	0.046	mg/kg	
	3&4-Methylphenol	0.070 U	0.21	0.070	mg/kg	
100-02-7	4-Nitrophenol	0.084 U	0.21	0.084	mg/kg	
87-86-5	Pentachlorophenol	0.056 U	1.1	0.056	mg/kg	
108-95-2	Phenol	0.086 U	0.21	0.086	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.060 U	0.21	0.060	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.057 U	0.21	0.057	mg/kg	
83-32-9	Acenaphthene	0.052 U	0.21	0.052	mg/kg	
208-96-8	Acenaphthylene	0.057 U	0.21	0.057	mg/kg	
120-12-7	Anthracene	0.069 U	0.21	0.069	mg/kg	
56-55-3	Benzo(a)anthracene	0.079 U	0.21	0.079	mg/kg	
50-32-8	Benzo(a)pyrene	0.069 U	0.21	0.069	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.090 U	0.21	0.090	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.12 U	0.21	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.098 U	0.21	0.098	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.081 U	0.21	0.081	mg/kg	
85-68-7	Butyl benzyl phthalate	0.10 U	0.21	0.10	mg/kg	
100-51-6	Benzyl Alcohol	0.075 U	0.21	0.075	mg/kg	
91-58-7	2-Chloronaphthalene	0.059 U	0.21	0.059	mg/kg	
106-47-8	4-Chloroaniline	0.060 U	0.21	0.060	mg/kg	
86-74-8	Carbazole	0.092 U	0.21	0.092	mg/kg	
218-01-9	Chrysene	0.070 U	0.21	0.070	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.080 U	0.21	0.080	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.046 U	0.21	0.046	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-088	Date Sampled:	12/03/07
Lab Sample ID:	T19944-4	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.065 U	0.21	0.065	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.072 U	0.21	0.072	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.066 U	0.21	0.066	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.059 U	0.21	0.059	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.093 U	0.21	0.093	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.055 U	0.21	0.055	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.086 U	0.43	0.086	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.21 U	0.21	0.21	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.21 U	0.21	0.21	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.074 U	0.21	0.074	mg/kg	
132-64-9	Dibenzofuran	0.059 U	0.21	0.059	mg/kg	
122-39-4	Diphenylamine	0.093 U	0.21	0.093	mg/kg	
84-74-2	Di-n-butyl phthalate	0.10 U	0.21	0.10	mg/kg	
117-84-0	Di-n-octyl phthalate	0.20 U	0.21	0.20	mg/kg	
84-66-2	Diethyl phthalate	0.129	0.21	0.059	mg/kg	J
131-11-3	Dimethyl phthalate	0.053 U	0.21	0.053	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.11 U	0.21	0.11	mg/kg	
206-44-0	Fluoranthene	0.096 U	0.21	0.096	mg/kg	
86-73-7	Fluorene	0.065 U	0.21	0.065	mg/kg	
118-74-1	Hexachlorobenzene	0.070 U	0.21	0.070	mg/kg	
87-68-3	Hexachlorobutadiene	0.065 U	0.21	0.065	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.077 U	0.21	0.077	mg/kg	
67-72-1	Hexachloroethane	0.063 U	0.21	0.063	mg/kg	
95-13-6	Indene	1.1 U	1.1	1.1	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.083 U	0.21	0.083	mg/kg	
78-59-1	Isophorone	0.056 U	0.21	0.056	mg/kg	
90-12-0	1-Methylnaphthalene	0.051 U	0.21	0.051	mg/kg	
91-57-6	2-Methylnaphthalene	0.057 U	0.21	0.057	mg/kg	
	6-Methyl Chrysene	0.21 U	0.21	0.21	mg/kg	
88-74-4	2-Nitroaniline	0.055 U	0.21	0.055	mg/kg	
99-09-2	3-Nitroaniline	0.080 U	0.21	0.080	mg/kg	
100-01-6	4-Nitroaniline	0.12 U	0.21	0.12	mg/kg	
91-20-3	Naphthalene	0.052 U	0.21	0.052	mg/kg	
98-95-3	Nitrobenzene	0.060 U	0.21	0.060	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.086 U	0.21	0.086	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.093 U	0.21	0.093	mg/kg	
85-01-8	Phenanthrene	0.079 U	0.21	0.079	mg/kg	
129-00-0	Pyrene	0.10 U	0.21	0.10	mg/kg	
91-22-5	Quinoline	0.21 U	0.21	0.21	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.056 U	0.21	0.056	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

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E = Indicates value exceeds calibration range

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Report of Analysis

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Client Sample ID:	FR-088	Date Sampled:	12/03/07
Lab Sample ID:	T19944-4	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.21 U	0.21	0.21	mg/kg	
	1,2-Cyclohexanediol	0.21 U	0.21	0.21	mg/kg	
98-85-1	1-Phenylethanol	0.21 U	0.21	0.21	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	32%			26-124%	
4165-62-2	Phenol-d5	35%			19-106%	
118-79-6	2,4,6-Tribromophenol	48%			18-129%	
4165-60-0	Nitrobenzene-d5	39%			18-104%	
321-60-8	2-Fluorobiphenyl	38%			21-114%	
1718-51-0	Terphenyl-d14	71%			24-149%	

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 MQL = Method Quantitation Limit
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Client Sample ID:	FR-088	Date Sampled:	12/03/07
Lab Sample ID:	T19944-4	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.8
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	10500	21	4.5	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.28 U	1.0	0.28	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	1.8	1.0	0.21	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	107	21	0.062	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.40 B	0.52	0.021	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.10 U	0.52	0.10	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	18700	520	1.8	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	6.5	1.0	0.072	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	1.8 B	5.2	0.19	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	3.9	2.6	0.13	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	6160	10	2.3	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	18.6	1.0	0.41	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	3200	520	1.2	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	106	1.5	0.072	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.0039 B	0.022	0.00086	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	3.7 B	4.1	0.13	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	2250	520	32	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.25 U	1.0	0.25	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.082 U	1.0	0.082	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	522	520	28	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.52 U	2.1	0.52	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	13.8	5.2	0.12	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	37.2	2.1	0.41	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQI = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-088	Date Sampled:	12/03/07
Lab Sample ID:	T19944-4	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.8
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.3 U	2.6	1.3	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	76.8			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-089	Date Sampled:	12/03/07
Lab Sample ID:	T19944-5	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.3
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001080.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.23 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0090 U	0.063	0.0090	mg/kg	
71-43-2	Benzene	0.0017 U	0.0063	0.0017	mg/kg	
108-86-1	Bromobenzene	0.0016 U	0.0063	0.0016	mg/kg	
74-97-5	Bromochloromethane	0.0018 U	0.0063	0.0018	mg/kg	
75-27-4	Bromodichloromethane	0.0018 U	0.0063	0.0018	mg/kg	
75-25-2	Bromoform	0.0015 U	0.0063	0.0015	mg/kg	
71-36-3	n-Butyl Alcohol	0.063 U	0.063	0.063	mg/kg	
104-51-8	n-Butylbenzene	0.0012 U	0.0063	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	0.0013 U	0.0063	0.0013	mg/kg	
108-90-7	Chlorobenzene	0.0018 U	0.0063	0.0018	mg/kg	
75-00-3	Chloroethane	0.0018 U	0.0063	0.0018	mg/kg	
67-66-3	Chloroform	0.0016 U	0.0063	0.0016	mg/kg	
95-49-8	o-Chlorotoluene	0.0015 U	0.0063	0.0015	mg/kg	
106-43-4	p-Chlorotoluene	0.0014 U	0.0063	0.0014	mg/kg	
75-15-0	Carbon disulfide	0.0016 U	0.013	0.0016	mg/kg	
56-23-5	Carbon tetrachloride	0.0014 U	0.0063	0.0014	mg/kg	
110-82-7	Cyclohexane	0.0014 U	0.0063	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	0.0016 U	0.0063	0.0016	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	
563-58-6	1,1-Dichloropropene	0.0015 U	0.0063	0.0015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0018 U	0.0063	0.0018	mg/kg	
106-93-4	1,2-Dibromoethane	0.0018 U	0.0063	0.0018	mg/kg	
107-06-2	1,2-Dichloroethane	0.0017 U	0.0063	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
142-28-9	1,3-Dichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
123-91-1	1,4-Dioxane	0.030 U	0.31	0.030	mg/kg	
594-20-7	2,2-Dichloropropane	0.0014 U	0.0063	0.0014	mg/kg	
124-48-1	Dibromochloromethane	0.0017 U	0.0063	0.0017	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0013 U	0.0063	0.0013	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0017 U	0.0063	0.0017	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0016 U	0.0063	0.0016	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-089	Date Sampled:	12/03/07
Lab Sample ID:	T19944-5	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.3
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0017 U	0.0063	0.0017	mg/kg	
100-41-4	Ethylbenzene	0.0016 U	0.0063	0.0016	mg/kg	
60-29-7	Ethyl Ether	0.0063 U	0.0063	0.0063	mg/kg	
110-54-3	Hexane	0.0013 U	0.0063	0.0013	mg/kg	
591-78-6	2-Hexanone	0.0086 U	0.063	0.0086	mg/kg	
87-68-3	Hexachlorobutadiene	0.0015 U	0.0063	0.0015	mg/kg	
98-82-8	Isopropylbenzene	0.0018	0.0063	0.0015	mg/kg	J
99-87-6	p-Isopropyltoluene	0.0015 U	0.0063	0.0015	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0088 U	0.063	0.0088	mg/kg	
74-83-9	Methyl bromide	0.0019 U	0.0063	0.0019	mg/kg	
74-87-3	Methyl chloride	0.0018 U	0.0063	0.0018	mg/kg	
74-95-3	Methylene bromide	0.0025 U	0.0063	0.0025	mg/kg	
75-09-2	Methylene chloride	0.0031 U	0.013	0.0031	mg/kg	
78-93-3	Methyl ethyl ketone	0.0084 U	0.063	0.0084	mg/kg	
103-65-1	n-Propylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
100-42-5	Styrene	0.0016 U	0.0063	0.0016	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0018 U	0.0063	0.0018	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0015 U	0.0063	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0018 U	0.0063	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0017 U	0.0063	0.0017	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0015 U	0.0063	0.0015	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0013 U	0.0063	0.0013	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
127-18-4	Tetrachloroethylene	0.0017 U	0.0063	0.0017	mg/kg	
108-88-3	Toluene	0.0016 U	0.0063	0.0016	mg/kg	
79-01-6	Trichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	
75-69-4	Trichlorofluoromethane	0.0013 U	0.0063	0.0013	mg/kg	
75-01-4	Vinyl chloride	0.0017 U	0.0063	0.0017	mg/kg	
108-05-4	Vinyl Acetate	0.0095 U	0.031	0.0095	mg/kg	
1330-20-7	Xylene (total)	0.0047 U	0.019	0.0047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		68-127%
2037-26-5	Toluene-D8	123%		76-139%
460-00-4	4-Bromofluorobenzene	121%		68-167%
17060-07-0	1,2-Dichloroethane-D4	98%		56-121%

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Report of Analysis

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Client Sample ID:	FR-089	Date Sampled:	12/03/07
Lab Sample ID:	T19944-5	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.3
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24804.D	1	12/11/07	SC	12/07/07	OP8652	EA1540
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.22 U	0.22	0.22	mg/kg	
65-85-0	Benzoic acid	0.054 U	1.1	0.054	mg/kg	
95-57-8	2-Chlorophenol	0.067 U	0.22	0.067	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.050 U	0.22	0.050	mg/kg	
120-83-2	2,4-Dichlorophenol	0.074 U	0.22	0.074	mg/kg	
105-67-9	2,4-Dimethylphenol	0.069 U	0.22	0.069	mg/kg	
51-28-5	2,4-Dinitrophenol	0.074 U	1.1	0.074	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.14 U	0.44	0.14	mg/kg	
95-48-7	2-Methylphenol	0.047 U	0.22	0.047	mg/kg	
	3&4-Methylphenol	0.071 U	0.22	0.071	mg/kg	
100-02-7	4-Nitrophenol	0.086 U	0.22	0.086	mg/kg	
87-86-5	Pentachlorophenol	0.058 U	1.1	0.058	mg/kg	
108-95-2	Phenol	0.088 U	0.22	0.088	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.061 U	0.22	0.061	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.058 U	0.22	0.058	mg/kg	
83-32-9	Acenaphthene	0.053 U	0.22	0.053	mg/kg	
208-96-8	Acenaphthylene	0.059 U	0.22	0.059	mg/kg	
120-12-7	Anthracene	0.071 U	0.22	0.071	mg/kg	
56-55-3	Benzo(a)anthracene	0.081 U	0.22	0.081	mg/kg	
50-32-8	Benzo(a)pyrene	0.071 U	0.22	0.071	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.092 U	0.22	0.092	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.12 U	0.22	0.12	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.22	0.10	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.083 U	0.22	0.083	mg/kg	
85-68-7	Butyl benzyl phthalate	0.10 U	0.22	0.10	mg/kg	
100-51-6	Benzyl Alcohol	0.077 U	0.22	0.077	mg/kg	
91-58-7	2-Chloronaphthalene	0.061 U	0.22	0.061	mg/kg	
106-47-8	4-Chloroaniline	0.061 U	0.22	0.061	mg/kg	
86-74-8	Carbazole	0.094 U	0.22	0.094	mg/kg	
218-01-9	Chrysene	0.071 U	0.22	0.071	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.081 U	0.22	0.081	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.047 U	0.22	0.047	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-089	Date Sampled:	12/03/07
Lab Sample ID:	T19944-5	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.3
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.067 U	0.22	0.067	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.074 U	0.22	0.074	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.068 U	0.22	0.068	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.061 U	0.22	0.061	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.095 U	0.22	0.095	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.056 U	0.22	0.056	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.088 U	0.44	0.088	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.22 U	0.22	0.22	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.22 U	0.22	0.22	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.076 U	0.22	0.076	mg/kg	
132-64-9	Dibenzofuran	0.060 U	0.22	0.060	mg/kg	
122-39-4	Diphenylamine	0.095 U	0.22	0.095	mg/kg	
84-74-2	Di-n-butyl phthalate	0.11 U	0.22	0.11	mg/kg	
117-84-0	Di-n-octyl phthalate	0.20 U	0.22	0.20	mg/kg	
84-66-2	Diethyl phthalate	0.136	0.22	0.061	mg/kg	J
131-11-3	Dimethyl phthalate	0.054 U	0.22	0.054	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.657	0.22	0.11	mg/kg	
206-44-0	Fluoranthene	0.098 U	0.22	0.098	mg/kg	
86-73-7	Fluorene	0.066 U	0.22	0.066	mg/kg	
118-74-1	Hexachlorobenzene	0.071 U	0.22	0.071	mg/kg	
87-68-3	Hexachlorobutadiene	0.066 U	0.22	0.066	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.079 U	0.22	0.079	mg/kg	
67-72-1	Hexachloroethane	0.064 U	0.22	0.064	mg/kg	
95-13-6	Indene	1.1 U	1.1	1.1	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.085 U	0.22	0.085	mg/kg	
78-59-1	Isophorone	0.057 U	0.22	0.057	mg/kg	
90-12-0	1-Methylnaphthalene	0.052 U	0.22	0.052	mg/kg	
91-57-6	2-Methylnaphthalene	0.058 U	0.22	0.058	mg/kg	
	6-Methyl Chrysene	0.22 U	0.22	0.22	mg/kg	
88-74-4	2-Nitroaniline	0.057 U	0.22	0.057	mg/kg	
99-09-2	3-Nitroaniline	0.081 U	0.22	0.081	mg/kg	
100-01-6	4-Nitroaniline	0.12 U	0.22	0.12	mg/kg	
91-20-3	Naphthalene	0.053 U	0.22	0.053	mg/kg	
98-95-3	Nitrobenzene	0.061 U	0.22	0.061	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.088 U	0.22	0.088	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.095 U	0.22	0.095	mg/kg	
85-01-8	Phenanthrene	0.081 U	0.22	0.081	mg/kg	
129-00-0	Pyrene	0.11 U	0.22	0.11	mg/kg	
91-22-5	Quinoline	0.22 U	0.22	0.22	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.057 U	0.22	0.057	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-089	Date Sampled:	12/03/07
Lab Sample ID:	T19944-5	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.3
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.22 U	0.22	0.22	mg/kg	
	1,2-Cyclohexanediol	0.22 U	0.22	0.22	mg/kg	
98-85-1	1-Phenylethanol	0.22 U	0.22	0.22	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		26-124%
4165-62-2	Phenol-d5	63%		19-106%
118-79-6	2,4,6-Tribromophenol	73%		18-129%
4165-60-0	Nitrobenzene-d5	65%		18-104%
321-60-8	2-Fluorobiphenyl	69%		21-114%
1718-51-0	Terphenyl-d14	81%		24-149%

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-089	Date Sampled:	12/03/07
Lab Sample ID:	T19944-5	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.3
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5160	22	4.9	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.30 U	1.1	0.30	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	1.1	1.1	0.22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	100	22	0.067	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.22 B	0.56	0.022	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.11 U	0.56	0.11	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	12500	560	1.9	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	3.6	1.1	0.079	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	1.1 B	5.6	0.20	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	2.7 B	2.8	0.15	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	3580	11	2.5	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	19.0	1.1	0.45	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	2360	560	1.3	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	77.9	1.7	0.079	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.0023 B	0.021	0.00082	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	2.2 B	4.5	0.15	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	1140	560	35	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.27 U	1.1	0.27	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.090 U	1.1	0.090	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	313 B	560	30	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.56 U	2.2	0.56	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	7.2	5.6	0.13	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	43.2	2.2	0.45	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-089	Date Sampled:	12/03/07
Lab Sample ID:	T19944-5	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	76.3
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.3 B	2.6	1.3	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	76.3			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-090	Date Sampled:	12/03/07
Lab Sample ID:	T19944-6	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001081.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.03 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0179	0.059	0.0085	mg/kg	J
71-43-2	Benzene	0.0016 U	0.0059	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0059	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0059	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0017 U	0.0059	0.0017	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0059	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.059 U	0.059	0.059	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0059	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0059	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0017 U	0.0059	0.0017	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0059	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0059	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0059	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0059	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0025	0.012	0.0015	mg/kg	J
56-23-5	Carbon tetrachloride	0.0013 U	0.0059	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0014 U	0.0059	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0059	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0059	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0059	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0017 U	0.0059	0.0017	mg/kg	
106-93-4	1,2-Dibromoethane	0.0017 U	0.0059	0.0017	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0059	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0059	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0059	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.30	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0059	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0059	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0013 U	0.0059	0.0013	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0059	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0059	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0059	0.0015	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-090	Date Sampled:	12/03/07
Lab Sample ID:	T19944-6	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0059	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0059	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0059 U	0.0059	0.0059	mg/kg	
110-54-3	Hexane	0.0013 U	0.0059	0.0013	mg/kg	
591-78-6	2-Hexanone	0.0081 U	0.059	0.0081	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0059	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0059	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0059	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0083 U	0.059	0.0083	mg/kg	
74-83-9	Methyl bromide	0.0018 U	0.0059	0.0018	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0059	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0024 U	0.0059	0.0024	mg/kg	
75-09-2	Methylene chloride	0.0029 U	0.012	0.0029	mg/kg	
78-93-3	Methyl ethyl ketone	0.0080 U	0.059	0.0080	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0059	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0059	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0017 U	0.0059	0.0017	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0059	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0059	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0059	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0059	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0017 U	0.0059	0.0017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0059	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0022	0.0059	0.0013	mg/kg	J
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0059	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0016 U	0.0059	0.0016	mg/kg	
108-88-3	Toluene	0.0015 U	0.0059	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0059	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0059	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0059	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0090 U	0.030	0.0090	mg/kg	
1330-20-7	Xylene (total)	0.0045	0.018	0.0045	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		68-127%
2037-26-5	Toluene-D8	124%		76-139%
460-00-4	4-Bromofluorobenzene	133%		68-167%
17060-07-0	1,2-Dichloroethane-D4	102%		56-121%

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-090	Date Sampled:	12/03/07
Lab Sample ID:	T19944-6	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24805.D	1	12/11/07	SC	12/07/07	OP8652	EA1540
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.050 U	0.99	0.050	mg/kg	
95-57-8	2-Chlorophenol	0.061 U	0.20	0.061	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.045 U	0.20	0.045	mg/kg	
120-83-2	2,4-Dichlorophenol	0.067 U	0.20	0.067	mg/kg	
105-67-9	2,4-Dimethylphenol	0.063 U	0.20	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	0.067 U	0.99	0.067	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.40	0.13	mg/kg	
95-48-7	2-Methylphenol	0.043 U	0.20	0.043	mg/kg	
	3&4-Methylphenol	0.065 U	0.20	0.065	mg/kg	
100-02-7	4-Nitrophenol	0.078 U	0.20	0.078	mg/kg	
87-86-5	Pentachlorophenol	0.052 U	0.99	0.052	mg/kg	
108-95-2	Phenol	0.080 U	0.20	0.080	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.055 U	0.20	0.055	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.053 U	0.20	0.053	mg/kg	
83-32-9	Acenaphthene	0.048 U	0.20	0.048	mg/kg	
208-96-8	Acenaphthylene	0.053 U	0.20	0.053	mg/kg	
120-12-7	Anthracene	0.065 U	0.20	0.065	mg/kg	
56-55-3	Benzo(a)anthracene	0.074 U	0.20	0.074	mg/kg	
50-32-8	Benzo(a)pyrene	0.065 U	0.20	0.065	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.084 U	0.20	0.084	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.091 U	0.20	0.091	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.076 U	0.20	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	0.095 U	0.20	0.095	mg/kg	
100-51-6	Benzyl Alcohol	0.070 U	0.20	0.070	mg/kg	
91-58-7	2-Chloronaphthalene	0.055 U	0.20	0.055	mg/kg	
106-47-8	4-Chloroaniline	0.056 U	0.20	0.056	mg/kg	
86-74-8	Carbazole	0.085 U	0.20	0.085	mg/kg	
218-01-9	Chrysene	0.065 U	0.20	0.065	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.074 U	0.20	0.074	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.042 U	0.20	0.042	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-090	Date Sampled:	12/03/07
Lab Sample ID:	T19944-6	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.061 U	0.20	0.061	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.067 U	0.20	0.067	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.061 U	0.20	0.061	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.055 U	0.20	0.055	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.087 U	0.20	0.087	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.051 U	0.20	0.051	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.080 U	0.40	0.080	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.069 U	0.20	0.069	mg/kg	
132-64-9	Dibenzofuran	0.055 U	0.20	0.055	mg/kg	
122-39-4	Diphenylamine	0.087 U	0.20	0.087	mg/kg	
84-74-2	Di-n-butyl phthalate	0.097 U	0.20	0.097	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.20	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.111	0.20	0.055	mg/kg	J
131-11-3	Dimethyl phthalate	0.049 U	0.20	0.049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.099 U	0.20	0.099	mg/kg	
206-44-0	Fluoranthene	0.089 U	0.20	0.089	mg/kg	
86-73-7	Fluorene	0.060 U	0.20	0.060	mg/kg	
118-74-1	Hexachlorobenzene	0.065 U	0.20	0.065	mg/kg	
87-68-3	Hexachlorobutadiene	0.060 U	0.20	0.060	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.072 U	0.20	0.072	mg/kg	
67-72-1	Hexachloroethane	0.058 U	0.20	0.058	mg/kg	
95-13-6	Indene	0.99 U	0.99	0.99	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.077 U	0.20	0.077	mg/kg	
78-59-1	Isophorone	0.052 U	0.20	0.052	mg/kg	
90-12-0	1-Methylnaphthalene	0.047 U	0.20	0.047	mg/kg	
91-57-6	2-Methylnaphthalene	0.053 U	0.20	0.053	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.052 U	0.20	0.052	mg/kg	
99-09-2	3-Nitroaniline	0.074 U	0.20	0.074	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.048 U	0.20	0.048	mg/kg	
98-95-3	Nitrobenzene	0.055 U	0.20	0.055	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.080 U	0.20	0.080	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.087 U	0.20	0.087	mg/kg	
85-01-8	Phenanthrene	0.074 U	0.20	0.074	mg/kg	
129-00-0	Pyrene	0.097 U	0.20	0.097	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.052 U	0.20	0.052	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-090	Date Sampled:	12/03/07
Lab Sample ID:	T19944-6	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	44%			26-124%	
4165-62-2	Phenol-d5	51%			19-106%	
118-79-6	2,4,6-Tribromophenol	67%			18-129%	
4165-60-0	Nitrobenzene-d5	55%			18-104%	
321-60-8	2-Fluorobiphenyl	53%			21-114%	
1718-51-0	Terphenyl-d14	65%			24-149%	

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-090	Date Sampled:	12/03/07
Lab Sample ID:	T19944-6	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	84.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	7640	18	4.0	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.25 U	0.91	0.25	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	1.7	0.91	0.18	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	78.7	18	0.055	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.30 B	0.46	0.018	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.095 B	0.46	0.091	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	25400	460	1.6	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	6.0	0.91	0.064	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	1.7 B	4.6	0.16	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	3.9	2.3	0.12	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	4560	9.1	2.0	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	6.8	0.91	0.37	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	9700	460	1.1	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	241	1.4	0.064	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.0080 B	0.019	0.00075	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	3.6 B	3.7	0.12	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	1940	460	28	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.22 U	0.91	0.22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.073 U	0.91	0.073	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	1820	460	25	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.46 U	1.8	0.46	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	11.0	4.6	0.11	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	24.8	1.8	0.37	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-090	Date Sampled:	12/03/07
Lab Sample ID:	T19944-6	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	84.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.2 U	2.4	1.2	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	84.1			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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3.3

3

Client Sample ID:	FR-091	Date Sampled:	12/03/07
Lab Sample ID:	T19944-7	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088668.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0057	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.7

3

Client Sample ID:	FR-091	Date Sampled:	12/03/07
Lab Sample ID:	T19944-7	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
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10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-125%
17060-07-0	1,2-Dichloroethane-D4	102%		69-128%
2037-26-5	Toluene-D8	103%		80-121%
460-00-4	4-Bromofluorobenzene	113%		69-142%

U = Not detected SDL - Sample Detection Limit

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.7

3

Client Sample ID:	FR-091	Date Sampled:	12/03/07
Lab Sample ID:	T19944-7	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H24624.D	1	12/07/07	SC	12/05/07	OP8628	EH1384
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene-thiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-091	Date Sampled:	12/03/07
Lab Sample ID:	T19944-7	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050	0.0050	mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a, h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.0050 U	0.0050	0.0050	mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	
98-85-1	1-Phenylethanol	0.0050 U	0.0050	0.0050	mg/l	
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-091	Date Sampled:	12/03/07
Lab Sample ID:	T19944-7	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-66%
4165-62-2	Phenol-d5	34%		10-53%
118-79-6	2,4,6-Tribromophenol	102%		32-128%
4165-60-0	Nitrobenzene-d5	73%		29-115%
321-60-8	2-Fluorobiphenyl	75%		34-113%
1718-51-0	Terphenyl-d14	77%		12-145%

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: FR-091
Lab Sample ID: T19944-7
Matrix: AQ - Water
Method: SW846 8270C BY SIM SW846 3510C
Project: Falcon Refinery Superfund Site/Ingleside, TX

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24713.D	1	12/07/07	SC	12/05/07	OP8629	EA1537
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

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 MQL = Method Quantitation Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-091	Date Sampled:	12/03/07
Lab Sample ID:	T19944-7	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	86 U	200	86	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Antimony	2.7 U	5.0	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Arsenic	43.7	5.0	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Barium	251	200	2.4	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Calcium	59800	5000	170	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Chromium	1.5 U	10	1.5	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Cobalt	9.6 U	50	9.6	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Copper	5.9 U	25	5.9	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Iron	864	100	24	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Lead	2.8 U	3.0	2.8	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Magnesium	130000	5000	13	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Manganese	2140	15	4.1	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Mercury	0.094 U	0.20	0.094	ug/l	1	12/12/07	12/12/07 NS	SW846 7470A ¹	SW846 7470A ⁶
Nickel	3.2 B	40	2.6	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Potassium	36300	5000	160	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Selenium	2.3 U	5.0	2.3	ug/l	1	12/14/07	12/15/07 NS	SW846 6010B ⁴	SW846 3010A ⁷
Silver	1.1 U	10	1.1	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Sodium	737000	25000	1600	ug/l	5	12/12/07	12/14/07 NS	SW846 6010B ³	SW846 3010A ⁵
Thallium	2.7 U	10	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Vanadium	3.3 B	50	0.94	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵
Zinc	15.5 B	20	7.5	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁵

- (1) Instrument QC Batch: MA3271
- (2) Instrument QC Batch: MA3273
- (3) Instrument QC Batch: MA3278
- (4) Instrument QC Batch: MA3280
- (5) Prep QC Batch: MP7014
- (6) Prep QC Batch: MP7018
- (7) Prep QC Batch: MP7039

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-091	Date Sampled:	12/03/07
Lab Sample ID:	T19944-7	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/04/07 07:15	SS	SW846 7196A

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-092	Date Sampled:	12/03/07
Lab Sample ID:	T19944-8	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001082.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.24 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0125	0.058	0.0083	mg/kg	J
71-43-2	Benzene	0.0016 U	0.0058	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0058	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0058	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0058	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.058 U	0.058	0.058	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0058	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0058	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0016 U	0.0058	0.0016	mg/kg	
75-00-3	Chloroethane	0.0016 U	0.0058	0.0016	mg/kg	
67-66-3	Chloroform	0.0014 U	0.0058	0.0014	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0058	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0058	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0015 U	0.012	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	0.0013 U	0.0058	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0013 U	0.0058	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0058	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0058	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0016 U	0.0058	0.0016	mg/kg	
106-93-4	1,2-Dibromoethane	0.0016 U	0.0058	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.29	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0058	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0058	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0058	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-092	Date Sampled:	12/03/07
Lab Sample ID:	T19944-8	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0058	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0058	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0058 U	0.0058	0.0058	mg/kg	
110-54-3	Hexane	0.0012 U	0.0058	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0079 U	0.058	0.0079	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0058	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0058	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0058	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0081 U	0.058	0.0081	mg/kg	
74-83-9	Methyl bromide	0.0017 U	0.0058	0.0017	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0058	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0023 U	0.0058	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0028 U	0.012	0.0028	mg/kg	
78-93-3	Methyl ethyl ketone	0.0078 U	0.058	0.0078	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0058	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0016 U	0.0058	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0058	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0058	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0058	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0016 U	0.0058	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0058	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
108-88-3	Toluene	0.0015 U	0.0058	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0058	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0088 U	0.029	0.0088	mg/kg	
1330-20-7	Xylene (total)	0.0044 U	0.017	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		68-127%
2037-26-5	Toluene-D8	123%		76-139%
460-00-4	4-Bromofluorobenzene	126%		68-167%
17060-07-0	1,2-Dichloroethane-D4	100%		56-121%

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Client Sample ID:	FR-092	Date Sampled:	12/03/07
Lab Sample ID:	T19944-8	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24806.D	1	12/11/07	SC	12/07/07	OP8652	EA1540
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.050 U	1.0	0.050	mg/kg	
95-57-8	2-Chlorophenol	0.062 U	0.20	0.062	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.046 U	0.20	0.046	mg/kg	
120-83-2	2,4-Dichlorophenol	0.068 U	0.20	0.068	mg/kg	
105-67-9	2,4-Dimethylphenol	0.064 U	0.20	0.064	mg/kg	
51-28-5	2,4-Dinitrophenol	0.068 U	1.0	0.068	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.40	0.13	mg/kg	
95-48-7	2-Methylphenol	0.044 U	0.20	0.044	mg/kg	
	3&4-Methylphenol	0.066 U	0.20	0.066	mg/kg	
100-02-7	4-Nitrophenol	0.079 U	0.20	0.079	mg/kg	
87-86-5	Pentachlorophenol	0.053 U	1.0	0.053	mg/kg	
108-95-2	Phenol	0.081 U	0.20	0.081	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.056 U	0.20	0.056	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.054 U	0.20	0.054	mg/kg	
83-32-9	Acenaphthene	0.049 U	0.20	0.049	mg/kg	
208-96-8	Acenaphthylene	0.054 U	0.20	0.054	mg/kg	
120-12-7	Anthracene	0.066 U	0.20	0.066	mg/kg	
56-55-3	Benzo(a)anthracene	0.075 U	0.20	0.075	mg/kg	
50-32-8	Benzo(a)pyrene	0.066 U	0.20	0.066	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.085 U	0.20	0.085	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.093 U	0.20	0.093	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.077 U	0.20	0.077	mg/kg	
85-68-7	Butyl benzyl phthalate	0.096 U	0.20	0.096	mg/kg	
100-51-6	Benzyl Alcohol	0.071 U	0.20	0.071	mg/kg	
91-58-7	2-Chloronaphthalene	0.056 U	0.20	0.056	mg/kg	
106-47-8	4-Chloroaniline	0.057 U	0.20	0.057	mg/kg	
86-74-8	Carbazole	0.087 U	0.20	0.087	mg/kg	
218-01-9	Chrysene	0.066 U	0.20	0.066	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.075 U	0.20	0.075	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.043 U	0.20	0.043	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-092	Date Sampled:	12/03/07
Lab Sample ID:	T19944-8	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.062 U	0.20	0.062	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.068 U	0.20	0.068	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.062 U	0.20	0.062	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.056 U	0.20	0.056	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.088 U	0.20	0.088	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.052 U	0.20	0.052	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.082 U	0.40	0.082	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.070 U	0.20	0.070	mg/kg	
132-64-9	Dibenzofuran	0.056 U	0.20	0.056	mg/kg	
122-39-4	Diphenylamine	0.088 U	0.20	0.088	mg/kg	
84-74-2	Di-n-butyl phthalate	0.099 U	0.20	0.099	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.20	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.123	0.20	0.056	mg/kg	J
131-11-3	Dimethyl phthalate	0.050 U	0.20	0.050	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.10 U	0.20	0.10	mg/kg	
206-44-0	Fluoranthene	0.091 U	0.20	0.091	mg/kg	
86-73-7	Fluorene	0.061 U	0.20	0.061	mg/kg	
118-74-1	Hexachlorobenzene	0.066 U	0.20	0.066	mg/kg	
87-68-3	Hexachlorobutadiene	0.061 U	0.20	0.061	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.073 U	0.20	0.073	mg/kg	
67-72-1	Hexachloroethane	0.059 U	0.20	0.059	mg/kg	
95-13-6	Indene	1.0 U	1.0	1.0	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.078 U	0.20	0.078	mg/kg	
78-59-1	Isophorone	0.053 U	0.20	0.053	mg/kg	
90-12-0	1-Methylnaphthalene	0.048 U	0.20	0.048	mg/kg	
91-57-6	2-Methylnaphthalene	0.054 U	0.20	0.054	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.052 U	0.20	0.052	mg/kg	
99-09-2	3-Nitroaniline	0.075 U	0.20	0.075	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.049 U	0.20	0.049	mg/kg	
98-95-3	Nitrobenzene	0.056 U	0.20	0.056	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.081 U	0.20	0.081	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.088 U	0.20	0.088	mg/kg	
85-01-8	Phenanthrene	0.075 U	0.20	0.075	mg/kg	
129-00-0	Pyrene	0.098 U	0.20	0.098	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.053 U	0.20	0.053	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-092	Date Sampled:	12/03/07
Lab Sample ID:	T19944-8	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	40%			26-124%	
4165-62-2	Phenol-d5	46%			19-106%	
118-79-6	2,4,6-Tribromophenol	58%			18-129%	
4165-60-0	Nitrobenzene-d5	46%			18-104%	
321-60-8	2-Fluorobiphenyl	57%			21-114%	
1718-51-0	Terphenyl-d14	60%			24-149%	

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-092	Date Sampled:	12/03/07
Lab Sample ID:	T19944-8	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	82.5
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	12200	19	4.1	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.25 U	0.94	0.25	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	1.3	0.94	0.19	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	36.7	19	0.056	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.38 B	0.47	0.019	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.094 U	0.47	0.094	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	6720	470	1.6	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	6.7	0.94	0.066	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	1.7 B	4.7	0.17	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	4.7	2.3	0.12	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	5740	9.4	2.1	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	12.7	0.94	0.37	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	2000	470	1.1	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	69.4	1.4	0.066	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.014 B	0.018	0.00072	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	3.4 B	3.7	0.12	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	1710	470	29	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.22 U	0.94	0.22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.075 U	0.94	0.075	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	1580	470	25	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.47 U	1.9	0.47	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	12.8	4.7	0.11	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	19.7	1.9	0.37	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-092	Date Sampled:	12/03/07
Lab Sample ID:	T19944-8	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	82.5
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.2 U	2.4	1.2	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	82.5			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-093	Date Sampled:	12/03/07
Lab Sample ID:	T19944-9	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001083.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.32 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0340	0.054	0.0078	mg/kg	J
71-43-2	Benzene	0.0015 U	0.0054	0.0015	mg/kg	
108-86-1	Bromobenzene	0.0014 U	0.0054	0.0014	mg/kg	
74-97-5	Bromochloromethane	0.0016 U	0.0054	0.0016	mg/kg	
75-27-4	Bromodichloromethane	0.0015 U	0.0054	0.0015	mg/kg	
75-25-2	Bromoform	0.0013 U	0.0054	0.0013	mg/kg	
71-36-3	n-Butyl Alcohol	0.054 U	0.054	0.054	mg/kg	
104-51-8	n-Butylbenzene	0.0010 U	0.0054	0.0010	mg/kg	
98-06-6	tert-Butylbenzene	0.0011 U	0.0054	0.0011	mg/kg	
108-90-7	Chlorobenzene	0.0015 U	0.0054	0.0015	mg/kg	
75-00-3	Chloroethane	0.0015 U	0.0054	0.0015	mg/kg	
67-66-3	Chloroform	0.0013 U	0.0054	0.0013	mg/kg	
95-49-8	o-Chlorotoluene	0.0013 U	0.0054	0.0013	mg/kg	
106-43-4	p-Chlorotoluene	0.0012 U	0.0054	0.0012	mg/kg	
75-15-0	Carbon disulfide	0.0014 U	0.011	0.0014	mg/kg	
56-23-5	Carbon tetrachloride	0.0012 U	0.0054	0.0012	mg/kg	
110-82-7	Cyclohexane	0.0012 U	0.0054	0.0012	mg/kg	
75-34-3	1,1-Dichloroethane	0.0014 U	0.0054	0.0014	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0014 U	0.0054	0.0014	mg/kg	
563-58-6	1,1-Dichloropropene	0.0013 U	0.0054	0.0013	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0015 U	0.0054	0.0015	mg/kg	
106-93-4	1,2-Dibromoethane	0.0015 U	0.0054	0.0015	mg/kg	
107-06-2	1,2-Dichloroethane	0.0015 U	0.0054	0.0015	mg/kg	
78-87-5	1,2-Dichloropropane	0.0016 U	0.0054	0.0016	mg/kg	
142-28-9	1,3-Dichloropropane	0.0016 U	0.0054	0.0016	mg/kg	
123-91-1	1,4-Dioxane	0.026 U	0.27	0.026	mg/kg	
594-20-7	2,2-Dichloropropane	0.0012 U	0.0054	0.0012	mg/kg	
124-48-1	Dibromochloromethane	0.0015 U	0.0054	0.0015	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0054	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0015 U	0.0054	0.0015	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0014 U	0.0054	0.0014	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0014 U	0.0054	0.0014	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-093	Date Sampled:	12/03/07
Lab Sample ID:	T19944-9	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0015 U	0.0054	0.0015	mg/kg	
100-41-4	Ethylbenzene	0.0014 U	0.0054	0.0014	mg/kg	
60-29-7	Ethyl Ether	0.0054 U	0.0054	0.0054	mg/kg	
110-54-3	Hexane	0.0011 U	0.0054	0.0011	mg/kg	
591-78-6	2-Hexanone	0.0074 U	0.054	0.0074	mg/kg	
87-68-3	Hexachlorobutadiene	0.0013 U	0.0054	0.0013	mg/kg	
98-82-8	Isopropylbenzene	0.0013 U	0.0054	0.0013	mg/kg	
99-87-6	p-Isopropyltoluene	0.0013 U	0.0054	0.0013	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0075 U	0.054	0.0075	mg/kg	
74-83-9	Methyl bromide	0.0016 U	0.0054	0.0016	mg/kg	
74-87-3	Methyl chloride	0.0016 U	0.0054	0.0016	mg/kg	
74-95-3	Methylene bromide	0.0022 U	0.0054	0.0022	mg/kg	
75-09-2	Methylene chloride	0.0053	0.011	0.0026	mg/kg	J
78-93-3	Methyl ethyl ketone	0.0073 U	0.054	0.0073	mg/kg	
103-65-1	n-Propylbenzene	0.0012 U	0.0054	0.0012	mg/kg	
100-42-5	Styrene	0.0014 U	0.0054	0.0014	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0015 U	0.0054	0.0015	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0013 U	0.0054	0.0013	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0016 U	0.0054	0.0016	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0015 U	0.0054	0.0015	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0013 U	0.0054	0.0013	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0015 U	0.0054	0.0015	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0011 U	0.0054	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0012 U	0.0054	0.0012	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0012 U	0.0054	0.0012	mg/kg	
127-18-4	Tetrachloroethylene	0.0014 U	0.0054	0.0014	mg/kg	
108-88-3	Toluene	0.0014 U	0.0054	0.0014	mg/kg	
79-01-6	Trichloroethylene	0.0014 U	0.0054	0.0014	mg/kg	
75-69-4	Trichlorofluoromethane	0.0011 U	0.0054	0.0011	mg/kg	
75-01-4	Vinyl chloride	0.0015 U	0.0054	0.0015	mg/kg	
108-05-4	Vinyl Acetate	0.0082 U	0.027	0.0082	mg/kg	
1330-20-7	Xylene (total)	0.0041 U	0.016	0.0041	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		68-127%
2037-26-5	Toluene-D8	116%		76-139%
460-00-4	4-Bromofluorobenzene	111%		68-167%
17060-07-0	1,2-Dichloroethane-D4	95%		56-121%

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-093	Date Sampled:	12/03/07
Lab Sample ID:	T19944-9	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24807.D	1	12/11/07	SC	12/07/07	OP8652	EA1540
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.19 U	0.19	0.19	mg/kg	
65-85-0	Benzoic acid	0.047 U	0.95	0.047	mg/kg	
95-57-8	2-Chlorophenol	0.059 U	0.19	0.059	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.043 U	0.19	0.043	mg/kg	
120-83-2	2,4-Dichlorophenol	0.064 U	0.19	0.064	mg/kg	
105-67-9	2,4-Dimethylphenol	0.060 U	0.19	0.060	mg/kg	
51-28-5	2,4-Dinitrophenol	0.064 U	0.95	0.064	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.12 U	0.38	0.12	mg/kg	
95-48-7	2-Methylphenol	0.041 U	0.19	0.041	mg/kg	
	3&4-Methylphenol	0.062 U	0.19	0.062	mg/kg	
100-02-7	4-Nitrophenol	0.075 U	0.19	0.075	mg/kg	
87-86-5	Pentachlorophenol	0.050 U	0.95	0.050	mg/kg	
108-95-2	Phenol	0.076 U	0.19	0.076	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.053 U	0.19	0.053	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.051 U	0.19	0.051	mg/kg	
83-32-9	Acenaphthene	0.046 U	0.19	0.046	mg/kg	
208-96-8	Acenaphthylene	0.051 U	0.19	0.051	mg/kg	
120-12-7	Anthracene	0.062 U	0.19	0.062	mg/kg	
56-55-3	Benzo(a)anthracene	0.071 U	0.19	0.071	mg/kg	
50-32-8	Benzo(a)pyrene	0.062 U	0.19	0.062	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.080 U	0.19	0.080	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.10 U	0.19	0.10	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.087 U	0.19	0.087	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.073 U	0.19	0.073	mg/kg	
85-68-7	Butyl benzyl phthalate	0.091 U	0.19	0.091	mg/kg	
100-51-6	Benzyl Alcohol	0.067 U	0.19	0.067	mg/kg	
91-58-7	2-Chloronaphthalene	0.053 U	0.19	0.053	mg/kg	
106-47-8	4-Chloroaniline	0.054 U	0.19	0.054	mg/kg	
86-74-8	Carbazole	0.082 U	0.19	0.082	mg/kg	
218-01-9	Chrysene	0.062 U	0.19	0.062	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.071 U	0.19	0.071	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.041 U	0.19	0.041	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-093	Date Sampled:	12/03/07
Lab Sample ID:	T19944-9	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.058 U	0.19	0.058	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.065 U	0.19	0.065	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.059 U	0.19	0.059	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.053 U	0.19	0.053	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.083 U	0.19	0.083	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.049 U	0.19	0.049	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.077 U	0.38	0.077	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.19 U	0.19	0.19	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.19 U	0.19	0.19	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.066 U	0.19	0.066	mg/kg	
132-64-9	Dibenzofuran	0.052 U	0.19	0.052	mg/kg	
122-39-4	Diphenylamine	0.083 U	0.19	0.083	mg/kg	
84-74-2	Di-n-butyl phthalate	0.093 U	0.19	0.093	mg/kg	
117-84-0	Di-n-octyl phthalate	0.17 U	0.19	0.17	mg/kg	
84-66-2	Diethyl phthalate	0.101	0.19	0.053	mg/kg	J
131-11-3	Dimethyl phthalate	0.047 U	0.19	0.047	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.095 U	0.19	0.095	mg/kg	
206-44-0	Fluoranthene	0.085 U	0.19	0.085	mg/kg	
86-73-7	Fluorene	0.058 U	0.19	0.058	mg/kg	
118-74-1	Hexachlorobenzene	0.062 U	0.19	0.062	mg/kg	
87-68-3	Hexachlorobutadiene	0.058 U	0.19	0.058	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.069 U	0.19	0.069	mg/kg	
67-72-1	Hexachloroethane	0.056 U	0.19	0.056	mg/kg	
95-13-6	Indene	0.95 U	0.95	0.95	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.074 U	0.19	0.074	mg/kg	
78-59-1	Isophorone	0.050 U	0.19	0.050	mg/kg	
90-12-0	1-Methylnaphthalene	0.045 U	0.19	0.045	mg/kg	
91-57-6	2-Methylnaphthalene	0.051 U	0.19	0.051	mg/kg	
	6-Methyl Chrysene	0.19 U	0.19	0.19	mg/kg	
88-74-4	2-Nitroaniline	0.049 U	0.19	0.049	mg/kg	
99-09-2	3-Nitroaniline	0.071 U	0.19	0.071	mg/kg	
100-01-6	4-Nitroaniline	0.10 U	0.19	0.10	mg/kg	
91-20-3	Naphthalene	0.046 U	0.19	0.046	mg/kg	
98-95-3	Nitrobenzene	0.053 U	0.19	0.053	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.076 U	0.19	0.076	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.083 U	0.19	0.083	mg/kg	
85-01-8	Phenanthrene	0.071 U	0.19	0.071	mg/kg	
129-00-0	Pyrene	0.093 U	0.19	0.093	mg/kg	
91-22-5	Quinoline	0.19 U	0.19	0.19	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.050 U	0.19	0.050	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-093	Date Sampled:	12/03/07
Lab Sample ID:	T19944-9	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
	1,2-Cyclohexanediol	0.19 U	0.19	0.19	mg/kg	
98-85-1	1-Phenylethanol	0.19 U	0.19	0.19	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	59%			26-124%	
4165-62-2	Phenol-d5	67%			19-106%	
118-79-6	2,4,6-Tribromophenol	80%			18-129%	
4165-60-0	Nitrobenzene-d5	76%			18-104%	
321-60-8	2-Fluorobiphenyl	81%			21-114%	
1718-51-0	Terphenyl-d14	77%			24-149%	

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-093	Date Sampled:	12/03/07
Lab Sample ID:	T19944-9	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	87.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	3630	16	3.5	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.22 U	0.80	0.22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	0.58 B	0.80	0.16	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	66.9	16	0.048	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.15 B	0.40	0.016	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.080 U	0.40	0.080	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	238 B	400	1.4	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	2.7	0.80	0.056	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	0.61 B	4.0	0.14	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	0.92 B	2.0	0.10	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	1880	8.0	1.8	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	2.3	0.80	0.32	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	441	400	0.92	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	17.8	1.2	0.056	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.0024 B	0.017	0.00068	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	1.4 B	3.2	0.10	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	504	400	25	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.19 U	0.80	0.19	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.064 U	0.80	0.064	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	485	400	22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.40 U	1.6	0.40	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	3.8 B	4.0	0.096	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	5.4	1.6	0.32	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-093	Date Sampled:	12/03/07
Lab Sample ID:	T19944-9	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	87.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.1 B	2.3	1.1	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	87.1			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-094	Date Sampled:	12/03/07
Lab Sample ID:	T19944-10	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001084.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.00 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.010 U	0.070	0.010	mg/kg	
71-43-2	Benzene	0.0020 U	0.0070	0.0020	mg/kg	
108-86-1	Bromobenzene	0.0018 U	0.0070	0.0018	mg/kg	
74-97-5	Bromochloromethane	0.0020 U	0.0070	0.0020	mg/kg	
75-27-4	Bromodichloromethane	0.0020 U	0.0070	0.0020	mg/kg	
75-25-2	Bromoform	0.0017 U	0.0070	0.0017	mg/kg	
71-36-3	n-Butyl Alcohol	0.070 U	0.070	0.070	mg/kg	
104-51-8	n-Butylbenzene	0.0014 U	0.0070	0.0014	mg/kg	
98-06-6	tert-Butylbenzene	0.0014 U	0.0070	0.0014	mg/kg	
108-90-7	Chlorobenzene	0.0020 U	0.0070	0.0020	mg/kg	
75-00-3	Chloroethane	0.0020 U	0.0070	0.0020	mg/kg	
67-66-3	Chloroform	0.0018 U	0.0070	0.0018	mg/kg	
95-49-8	o-Chlorotoluene	0.0017 U	0.0070	0.0017	mg/kg	
106-43-4	p-Chlorotoluene	0.0016 U	0.0070	0.0016	mg/kg	
75-15-0	Carbon disulfide	0.0018 U	0.014	0.0018	mg/kg	
56-23-5	Carbon tetrachloride	0.0015 U	0.0070	0.0015	mg/kg	
110-82-7	Cyclohexane	0.0016 U	0.0070	0.0016	mg/kg	
75-34-3	1,1-Dichloroethane	0.0018 U	0.0070	0.0018	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0018 U	0.0070	0.0018	mg/kg	
563-58-6	1,1-Dichloropropene	0.0017 U	0.0070	0.0017	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0020 U	0.0070	0.0020	mg/kg	
106-93-4	1,2-Dibromoethane	0.0020 U	0.0070	0.0020	mg/kg	
107-06-2	1,2-Dichloroethane	0.0019 U	0.0070	0.0019	mg/kg	
78-87-5	1,2-Dichloropropane	0.0021 U	0.0070	0.0021	mg/kg	
142-28-9	1,3-Dichloropropane	0.0020 U	0.0070	0.0020	mg/kg	
123-91-1	1,4-Dioxane	0.034 U	0.35	0.034	mg/kg	
594-20-7	2,2-Dichloropropane	0.0015 U	0.0070	0.0015	mg/kg	
124-48-1	Dibromochloromethane	0.0019 U	0.0070	0.0019	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0015 U	0.0070	0.0015	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0019 U	0.0070	0.0019	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0018 U	0.0070	0.0018	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0018 U	0.0070	0.0018	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-094	Date Sampled:	12/03/07
Lab Sample ID:	T19944-10	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0019 U	0.0070	0.0019	mg/kg	
100-41-4	Ethylbenzene	0.0018 U	0.0070	0.0018	mg/kg	
60-29-7	Ethyl Ether	0.0070 U	0.0070	0.0070	mg/kg	
110-54-3	Hexane	0.0015 U	0.0070	0.0015	mg/kg	
591-78-6	2-Hexanone	0.0096 U	0.070	0.0096	mg/kg	
87-68-3	Hexachlorobutadiene	0.0016 U	0.0070	0.0016	mg/kg	
98-82-8	Isopropylbenzene	0.0017 U	0.0070	0.0017	mg/kg	
99-87-6	p-Isopropyltoluene	0.0017 U	0.0070	0.0017	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0098 U	0.070	0.0098	mg/kg	
74-83-9	Methyl bromide	0.0021 U	0.0070	0.0021	mg/kg	
74-87-3	Methyl chloride	0.0020 U	0.0070	0.0020	mg/kg	
74-95-3	Methylene bromide	0.0028 U	0.0070	0.0028	mg/kg	
75-09-2	Methylene chloride	0.0035 U	0.014	0.0035	mg/kg	
78-93-3	Methyl ethyl ketone	0.0095 U	0.070	0.0095	mg/kg	
103-65-1	n-Propylbenzene	0.0016 U	0.0070	0.0016	mg/kg	
100-42-5	Styrene	0.0018 U	0.0070	0.0018	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0020 U	0.0070	0.0020	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0017 U	0.0070	0.0017	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0020 U	0.0070	0.0020	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0019 U	0.0070	0.0019	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0017 U	0.0070	0.0017	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0020 U	0.0070	0.0020	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0014 U	0.0070	0.0014	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0016 U	0.0070	0.0016	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0015 U	0.0070	0.0015	mg/kg	
127-18-4	Tetrachloroethylene	0.0019 U	0.0070	0.0019	mg/kg	
108-88-3	Toluene	0.0018 U	0.0070	0.0018	mg/kg	
79-01-6	Trichloroethylene	0.0018 U	0.0070	0.0018	mg/kg	
75-69-4	Trichlorofluoromethane	0.0014 U	0.0070	0.0014	mg/kg	
75-01-4	Vinyl chloride	0.0019 U	0.0070	0.0019	mg/kg	
108-05-4	Vinyl Acetate	0.011 U	0.035	0.011	mg/kg	
1330-20-7	Xylene (total)	0.0053 U	0.021	0.0053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		68-127%
2037-26-5	Toluene-D8	129%		76-139%
460-00-4	4-Bromofluorobenzene	146%		68-167%
17060-07-0	1,2-Dichloroethane-D4	101%		56-121%

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-094	Date Sampled:	12/03/07
Lab Sample ID:	T19944-10	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24849.D	1	12/13/07	SC	12/07/07	OP8652	EA1542
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.23 U	0.23	0.23	mg/kg	
65-85-0	Benzoic acid	0.057 U	1.1	0.057	mg/kg	
95-57-8	2-Chlorophenol	0.071 U	0.23	0.071	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.052 U	0.23	0.052	mg/kg	
120-83-2	2,4-Dichlorophenol	0.078 U	0.23	0.078	mg/kg	
105-67-9	2,4-Dimethylphenol	0.073 U	0.23	0.073	mg/kg	
51-28-5	2,4-Dinitrophenol	0.078 U	1.1	0.078	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.15 U	0.46	0.15	mg/kg	
95-48-7	2-Methylphenol	0.050 U	0.23	0.050	mg/kg	
	3&4-Methylphenol	0.075 U	0.23	0.075	mg/kg	
100-02-7	4-Nitrophenol	0.090 U	0.23	0.090	mg/kg	
87-86-5	Pentachlorophenol	0.061 U	1.1	0.061	mg/kg	
108-95-2	Phenol	0.092 U	0.23	0.092	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.064 U	0.23	0.064	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.062 U	0.23	0.062	mg/kg	
83-32-9	Acenaphthene	0.056 U	0.23	0.056	mg/kg	
208-96-8	Acenaphthylene	0.062 U	0.23	0.062	mg/kg	
120-12-7	Anthracene	0.075 U	0.23	0.075	mg/kg	
56-55-3	Benzo(a)anthracene	0.085 U	0.23	0.085	mg/kg	
50-32-8	Benzo(a)pyrene	0.075 U	0.23	0.075	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.097 U	0.23	0.097	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.13 U	0.23	0.13	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.11 U	0.23	0.11	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.088 U	0.23	0.088	mg/kg	
85-68-7	Butyl benzyl phthalate	0.11 U	0.23	0.11	mg/kg	
100-51-6	Benzyl Alcohol	0.081 U	0.23	0.081	mg/kg	
91-58-7	2-Chloronaphthalene	0.064 U	0.23	0.064	mg/kg	
106-47-8	4-Chloroaniline	0.065 U	0.23	0.065	mg/kg	
86-74-8	Carbazole	0.099 U	0.23	0.099	mg/kg	
218-01-9	Chrysene	0.075 U	0.23	0.075	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.086 U	0.23	0.086	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.049 U	0.23	0.049	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-094	Date Sampled:	12/03/07
Lab Sample ID:	T19944-10	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.070 U	0.23	0.070	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.078 U	0.23	0.078	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.071 U	0.23	0.071	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.064 U	0.23	0.064	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.10 U	0.23	0.10	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.059 U	0.23	0.059	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.093 U	0.46	0.093	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.23 U	0.23	0.23	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.23 U	0.23	0.23	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.080 U	0.23	0.080	mg/kg	
132-64-9	Dibenzofuran	0.063 U	0.23	0.063	mg/kg	
122-39-4	Diphenylamine	0.10 U	0.23	0.10	mg/kg	
84-74-2	Di-n-butyl phthalate	0.11 U	0.23	0.11	mg/kg	
117-84-0	Di-n-octyl phthalate	0.21 U	0.23	0.21	mg/kg	
84-66-2	Diethyl phthalate	0.064 U	0.23	0.064	mg/kg	
131-11-3	Dimethyl phthalate	0.057 U	0.23	0.057	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.11 U	0.23	0.11	mg/kg	
206-44-0	Fluoranthene	0.10 U	0.23	0.10	mg/kg	
86-73-7	Fluorene	0.070 U	0.23	0.070	mg/kg	
118-74-1	Hexachlorobenzene	0.075 U	0.23	0.075	mg/kg	
87-68-3	Hexachlorobutadiene	0.070 U	0.23	0.070	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.083 U	0.23	0.083	mg/kg	
67-72-1	Hexachloroethane	0.067 U	0.23	0.067	mg/kg	
95-13-6	Indene	1.1 U	1.1	1.1	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.089 U	0.23	0.089	mg/kg	
78-59-1	Isophorone	0.060 U	0.23	0.060	mg/kg	
90-12-0	1-Methylnaphthalene	0.055 U	0.23	0.055	mg/kg	
91-57-6	2-Methylnaphthalene	0.061 U	0.23	0.061	mg/kg	
	6-Methyl Chrysene	0.23 U	0.23	0.23	mg/kg	
88-74-4	2-Nitroaniline	0.060 U	0.23	0.060	mg/kg	
99-09-2	3-Nitroaniline	0.086 U	0.23	0.086	mg/kg	
100-01-6	4-Nitroaniline	0.13 U	0.23	0.13	mg/kg	
91-20-3	Naphthalene	0.056 U	0.23	0.056	mg/kg	
98-95-3	Nitrobenzene	0.064 U	0.23	0.064	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.092 U	0.23	0.092	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.10 U	0.23	0.10	mg/kg	
85-01-8	Phenanthrene	0.085 U	0.23	0.085	mg/kg	
129-00-0	Pyrene	0.11 U	0.23	0.11	mg/kg	
91-22-5	Quinoline	0.23 U	0.23	0.23	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.060 U	0.23	0.060	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-094	Date Sampled:	12/03/07
Lab Sample ID:	T19944-10	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.23 U	0.23	0.23	mg/kg	
	1,2-Cyclohexanediol	0.23 U	0.23	0.23	mg/kg	
98-85-1	1-Phenylethanol	0.23 U	0.23	0.23	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	47%			26-124%	
4165-62-2	Phenol-d5	51%			19-106%	
118-79-6	2,4,6-Tribromophenol	78%			18-129%	
4165-60-0	Nitrobenzene-d5	51%			18-104%	
321-60-8	2-Fluorobiphenyl	60%			21-114%	
1718-51-0	Terphenyl-d14	76%			24-149%	

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-094	Date Sampled:	12/03/07
Lab Sample ID:	T19944-10	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	71.0
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	14400	26	5.6	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.35 U	1.3	0.35	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	3.1	1.3	0.26	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	98.6	26	0.077	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.52 B	0.64	0.026	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.14 B	0.64	0.13	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	16800	640	2.2	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	10.4	1.3	0.090	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	2.5 B	6.4	0.23	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	6.9	3.2	0.17	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	8740	13	2.9	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	23.8	1.3	0.51	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	3390	640	1.5	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	143	1.9	0.090	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.024	0.021	0.00082	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	5.2	5.1	0.17	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	3420	640	40	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.31 U	1.3	0.31	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.10 U	1.3	0.10	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	1130	640	34	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.64 U	2.6	0.64	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	16.6	6.4	0.15	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	79.0	2.6	0.51	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-094	Date Sampled:	12/03/07
Lab Sample ID:	T19944-10	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	71.0
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.4 U	2.8	1.4	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	71			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-095	Date Sampled:	12/03/07
Lab Sample ID:	T19944-11	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001085.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.20 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0109	0.058	0.0083	mg/kg	J
71-43-2	Benzene	0.0016 U	0.0058	0.0016	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0058	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0058	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-25-2	Bromoform	0.0014 U	0.0058	0.0014	mg/kg	
71-36-3	n-Butyl Alcohol	0.058 U	0.058	0.058	mg/kg	
104-51-8	n-Butylbenzene	0.0011 U	0.0058	0.0011	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0058	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0016 U	0.0058	0.0016	mg/kg	
75-00-3	Chloroethane	0.0016 U	0.0058	0.0016	mg/kg	
67-66-3	Chloroform	0.0014 U	0.0058	0.0014	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0058	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0013 U	0.0058	0.0013	mg/kg	
75-15-0	Carbon disulfide	0.0023	0.012	0.0015	mg/kg	J
56-23-5	Carbon tetrachloride	0.0013 U	0.0058	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0013 U	0.0058	0.0013	mg/kg	
75-34-3	1,1-Dichloroethane	0.0015 U	0.0058	0.0015	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0058	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0016 U	0.0058	0.0016	mg/kg	
106-93-4	1,2-Dibromoethane	0.0016 U	0.0058	0.0016	mg/kg	
107-06-2	1,2-Dichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
78-87-5	1,2-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0058	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.028 U	0.29	0.028	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0058	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0016 U	0.0058	0.0016	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0016 U	0.0058	0.0016	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0058	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-095	Date Sampled:	12/03/07
Lab Sample ID:	T19944-11	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0058	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0058	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0058 U	0.0058	0.0058	mg/kg	
110-54-3	Hexane	0.0012 U	0.0058	0.0012	mg/kg	
591-78-6	2-Hexanone	0.0079 U	0.058	0.0079	mg/kg	
87-68-3	Hexachlorobutadiene	0.0013 U	0.0058	0.0013	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0058	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0014 U	0.0058	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0080 U	0.058	0.0080	mg/kg	
74-83-9	Methyl bromide	0.0017 U	0.0058	0.0017	mg/kg	
74-87-3	Methyl chloride	0.0017 U	0.0058	0.0017	mg/kg	
74-95-3	Methylene bromide	0.0023 U	0.0058	0.0023	mg/kg	
75-09-2	Methylene chloride	0.0058	0.012	0.0028	mg/kg	J
78-93-3	Methyl ethyl ketone	0.0078 U	0.058	0.0078	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0058	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0016 U	0.0058	0.0016	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0014 U	0.0058	0.0014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0058	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0016 U	0.0058	0.0016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0014 U	0.0058	0.0014	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0016 U	0.0058	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0058	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0058	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
108-88-3	Toluene	0.0015 U	0.0058	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0015 U	0.0058	0.0015	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0058	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0058	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0087 U	0.029	0.0087	mg/kg	
1330-20-7	Xylene (total)	0.0044 U	0.017	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		68-127%
2037-26-5	Toluene-D8	121%		76-139%
460-00-4	4-Bromofluorobenzene	117%		68-167%
17060-07-0	1,2-Dichloroethane-D4	99%		56-121%

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-095	Date Sampled:	12/03/07
Lab Sample ID:	T19944-11	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24826.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.050 U	0.99	0.050	mg/kg	
95-57-8	2-Chlorophenol	0.061 U	0.20	0.061	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.045 U	0.20	0.045	mg/kg	
120-83-2	2,4-Dichlorophenol	0.067 U	0.20	0.067	mg/kg	
105-67-9	2,4-Dimethylphenol	0.063 U	0.20	0.063	mg/kg	
51-28-5	2,4-Dinitrophenol	0.067 U	0.99	0.067	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.40	0.13	mg/kg	
95-48-7	2-Methylphenol	0.043 U	0.20	0.043	mg/kg	
	3&4-Methylphenol	0.065 U	0.20	0.065	mg/kg	
100-02-7	4-Nitrophenol	0.078 U	0.20	0.078	mg/kg	
87-86-5	Pentachlorophenol	0.053 U	0.99	0.053	mg/kg	
108-95-2	Phenol	0.080 U	0.20	0.080	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.056 U	0.20	0.056	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.053 U	0.20	0.053	mg/kg	
83-32-9	Acenaphthene	0.048 U	0.20	0.048	mg/kg	
208-96-8	Acenaphthylene	0.054 U	0.20	0.054	mg/kg	
120-12-7	Anthracene	0.065 U	0.20	0.065	mg/kg	
56-55-3	Benzo(a)anthracene	0.074 U	0.20	0.074	mg/kg	
50-32-8	Benzo(a)pyrene	0.065 U	0.20	0.065	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.084 U	0.20	0.084	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.091 U	0.20	0.091	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.076 U	0.20	0.076	mg/kg	
85-68-7	Butyl benzyl phthalate	0.095 U	0.20	0.095	mg/kg	
100-51-6	Benzyl Alcohol	0.070 U	0.20	0.070	mg/kg	
91-58-7	2-Chloronaphthalene	0.055 U	0.20	0.055	mg/kg	
106-47-8	4-Chloroaniline	0.056 U	0.20	0.056	mg/kg	
86-74-8	Carbazole	0.086 U	0.20	0.086	mg/kg	
218-01-9	Chrysene	0.065 U	0.20	0.065	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.074 U	0.20	0.074	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.043 U	0.20	0.043	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-095	Date Sampled:	12/03/07
Lab Sample ID:	T19944-11	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.061 U	0.20	0.061	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.068 U	0.20	0.068	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.062 U	0.20	0.062	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.055 U	0.20	0.055	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.087 U	0.20	0.087	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.051 U	0.20	0.051	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.081 U	0.40	0.081	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.069 U	0.20	0.069	mg/kg	
132-64-9	Dibenzofuran	0.055 U	0.20	0.055	mg/kg	
122-39-4	Diphenylamine	0.087 U	0.20	0.087	mg/kg	
84-74-2	Di-n-butyl phthalate	0.097 U	0.20	0.097	mg/kg	
117-84-0	Di-n-octyl phthalate	0.18 U	0.20	0.18	mg/kg	
84-66-2	Diethyl phthalate	0.055 U	0.20	0.055	mg/kg	
131-11-3	Dimethyl phthalate	0.049 U	0.20	0.049	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.099 U	0.20	0.099	mg/kg	
206-44-0	Fluoranthene	0.089 U	0.20	0.089	mg/kg	
86-73-7	Fluorene	0.060 U	0.20	0.060	mg/kg	
118-74-1	Hexachlorobenzene	0.065 U	0.20	0.065	mg/kg	
87-68-3	Hexachlorobutadiene	0.060 U	0.20	0.060	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.072 U	0.20	0.072	mg/kg	
67-72-1	Hexachloroethane	0.058 U	0.20	0.058	mg/kg	
95-13-6	Indene	0.99 U	0.99	0.99	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.077 U	0.20	0.077	mg/kg	
78-59-1	Isophorone	0.052 U	0.20	0.052	mg/kg	
90-12-0	1-Methylnaphthalene	0.047 U	0.20	0.047	mg/kg	
91-57-6	2-Methylnaphthalene	0.053 U	0.20	0.053	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.052 U	0.20	0.052	mg/kg	
99-09-2	3-Nitroaniline	0.074 U	0.20	0.074	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.048 U	0.20	0.048	mg/kg	
98-95-3	Nitrobenzene	0.056 U	0.20	0.056	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.080 U	0.20	0.080	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.087 U	0.20	0.087	mg/kg	
85-01-8	Phenanthrene	0.074 U	0.20	0.074	mg/kg	
129-00-0	Pyrene	0.097 U	0.20	0.097	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.052 U	0.20	0.052	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	FR-095	Date Sampled:	12/03/07
Lab Sample ID:	T19944-11	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.5
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	48%			26-124%	
4165-62-2	Phenol-d5	53%			19-106%	
118-79-6	2,4,6-Tribromophenol	71%			18-129%	
4165-60-0	Nitrobenzene-d5	56%			18-104%	
321-60-8	2-Fluorobiphenyl	61%			21-114%	
1718-51-0	Terphenyl-d14	69%			24-149%	

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	FR-095	Date Sampled:	12/03/07
Lab Sample ID:	T19944-11	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.5
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	1770	22	4.7	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Antimony	0.29 U	1.1	0.29	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Arsenic	0.54 B	1.1	0.22	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Barium	25.1	22	0.065	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Beryllium	0.11 B	0.54	0.022	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Cadmium	0.11 U	0.54	0.11	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Calcium	3010	540	1.9	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Chromium	2.2	1.1	0.076	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Cobalt	0.56 B	5.4	0.20	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Copper	1.1 B	2.7	0.14	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Iron	1130	11	2.4	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Lead	2.7	1.1	0.43	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Magnesium	594	540	1.2	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Manganese	69.5	1.6	0.076	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Mercury	0.0043 B	0.019	0.00076	mg/kg	1	12/14/07	12/14/07	NS	SW846 7471A ³
Nickel	1.0 B	4.3	0.14	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Potassium	363 B	540	34	mg/kg	1	12/07/07	12/09/07	NS	SW846 6010B ²
Selenium	0.26 U	1.1	0.26	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Silver	0.087 U	1.1	0.087	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Sodium	597	540	29	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Thallium	0.54 U	2.2	0.54	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Vanadium	2.4 B	5.4	0.13	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹
Zinc	7.0	2.2	0.43	mg/kg	1	12/07/07	12/08/07	NS	SW846 6010B ¹

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-095	Date Sampled:	12/03/07
Lab Sample ID:	T19944-11	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	83.5
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.2 U	2.4	1.2	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	83.5			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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3

Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001086.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.39 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0091 U	0.063	0.0091	mg/kg	
71-43-2	Benzene	0.0018 U	0.0063	0.0018	mg/kg	
108-86-1	Bromobenzene	0.0016 U	0.0063	0.0016	mg/kg	
74-97-5	Bromochloromethane	0.0018 U	0.0063	0.0018	mg/kg	
75-27-4	Bromodichloromethane	0.0018 U	0.0063	0.0018	mg/kg	
75-25-2	Bromoform	0.0015 U	0.0063	0.0015	mg/kg	
71-36-3	n-Butyl Alcohol	0.063 U	0.063	0.063	mg/kg	
104-51-8	n-Butylbenzene	0.0012 U	0.0063	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	0.0013 U	0.0063	0.0013	mg/kg	
108-90-7	Chlorobenzene	0.0018 U	0.0063	0.0018	mg/kg	
75-00-3	Chloroethane	0.0018 U	0.0063	0.0018	mg/kg	
67-66-3	Chloroform	0.0016 U	0.0063	0.0016	mg/kg	
95-49-8	o-Chlorotoluene	0.0015 U	0.0063	0.0015	mg/kg	
106-43-4	p-Chlorotoluene	0.0014 U	0.0063	0.0014	mg/kg	
75-15-0	Carbon disulfide	0.0016 U	0.013	0.0016	mg/kg	
56-23-5	Carbon tetrachloride	0.0014 U	0.0063	0.0014	mg/kg	
110-82-7	Cyclohexane	0.0015 U	0.0063	0.0015	mg/kg	
75-34-3	1,1-Dichloroethane	0.0016 U	0.0063	0.0016	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	
563-58-6	1,1-Dichloropropene	0.0015 U	0.0063	0.0015	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0018 U	0.0063	0.0018	mg/kg	
106-93-4	1,2-Dibromoethane	0.0018 U	0.0063	0.0018	mg/kg	
107-06-2	1,2-Dichloroethane	0.0017 U	0.0063	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	0.0019 U	0.0063	0.0019	mg/kg	
142-28-9	1,3-Dichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
123-91-1	1,4-Dioxane	0.030 U	0.32	0.030	mg/kg	
594-20-7	2,2-Dichloropropane	0.0014 U	0.0063	0.0014	mg/kg	
124-48-1	Dibromochloromethane	0.0018 U	0.0063	0.0018	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0014 U	0.0063	0.0014	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0017 U	0.0063	0.0017	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0016 U	0.0063	0.0016	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0017 U	0.0063	0.0017	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0017 U	0.0063	0.0017	mg/kg	
100-41-4	Ethylbenzene	0.0016 U	0.0063	0.0016	mg/kg	
60-29-7	Ethyl Ether	0.0063 U	0.0063	0.0063	mg/kg	
110-54-3	Hexane	0.0013 U	0.0063	0.0013	mg/kg	
591-78-6	2-Hexanone	0.0087 U	0.063	0.0087	mg/kg	
87-68-3	Hexachlorobutadiene	0.0015 U	0.0063	0.0015	mg/kg	
98-82-8	Isopropylbenzene	0.0015 U	0.0063	0.0015	mg/kg	
99-87-6	p-Isopropyltoluene	0.0015 U	0.0063	0.0015	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0089 U	0.063	0.0089	mg/kg	
74-83-9	Methyl bromide	0.0019 U	0.0063	0.0019	mg/kg	
74-87-3	Methyl chloride	0.0018 U	0.0063	0.0018	mg/kg	
74-95-3	Methylene bromide	0.0025 U	0.0063	0.0025	mg/kg	
75-09-2	Methylene chloride	0.0031 U	0.013	0.0031	mg/kg	
78-93-3	Methyl ethyl ketone	0.0086 U	0.063	0.0086	mg/kg	
103-65-1	n-Propylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
100-42-5	Styrene	0.0016 U	0.0063	0.0016	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0018 U	0.0063	0.0018	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0015 U	0.0063	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0018 U	0.0063	0.0018	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0018 U	0.0063	0.0018	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0015 U	0.0063	0.0015	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0018 U	0.0063	0.0018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0013 U	0.0063	0.0013	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0014 U	0.0063	0.0014	mg/kg	
127-18-4	Tetrachloroethylene	0.0017 U	0.0063	0.0017	mg/kg	
108-88-3	Toluene	0.0016 U	0.0063	0.0016	mg/kg	
79-01-6	Trichloroethylene	0.0016 U	0.0063	0.0016	mg/kg	
75-69-4	Trichlorofluoromethane	0.0013 U	0.0063	0.0013	mg/kg	
75-01-4	Vinyl chloride	0.0017 U	0.0063	0.0017	mg/kg	
108-05-4	Vinyl Acetate	0.0096 U	0.032	0.0096	mg/kg	
1330-20-7	Xylene (total)	0.0048 U	0.019	0.0048	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		68-127%
2037-26-5	Toluene-D8	124%		76-139%
460-00-4	4-Bromofluorobenzene	129%		68-167%
17060-07-0	1,2-Dichloroethane-D4	100%		56-121%

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24827.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.23 U	0.23	0.23	mg/kg	
65-85-0	Benzoic acid	0.057 U	1.1	0.057	mg/kg	
95-57-8	2-Chlorophenol	0.070 U	0.23	0.070	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.052 U	0.23	0.052	mg/kg	
120-83-2	2,4-Dichlorophenol	0.077 U	0.23	0.077	mg/kg	
105-67-9	2,4-Dimethylphenol	0.072 U	0.23	0.072	mg/kg	
51-28-5	2,4-Dinitrophenol	0.077 U	1.1	0.077	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.14 U	0.45	0.14	mg/kg	
95-48-7	2-Methylphenol	0.049 U	0.23	0.049	mg/kg	
	3&4-Methylphenol	0.074 U	0.23	0.074	mg/kg	
100-02-7	4-Nitrophenol	0.089 U	0.23	0.089	mg/kg	
87-86-5	Pentachlorophenol	0.060 U	1.1	0.060	mg/kg	
108-95-2	Phenol	0.091 U	0.23	0.091	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.063 U	0.23	0.063	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.061 U	0.23	0.061	mg/kg	
83-32-9	Acenaphthene	0.055 U	0.23	0.055	mg/kg	
208-96-8	Acenaphthylene	0.061 U	0.23	0.061	mg/kg	
120-12-7	Anthracene	0.074 U	0.23	0.074	mg/kg	
56-55-3	Benzo(a)anthracene	0.084 U	0.23	0.084	mg/kg	
50-32-8	Benzo(a)pyrene	0.074 U	0.23	0.074	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.096 U	0.23	0.096	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.13 U	0.23	0.13	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.10 U	0.23	0.10	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.087 U	0.23	0.087	mg/kg	
85-68-7	Butyl benzyl phthalate	0.11 U	0.23	0.11	mg/kg	
100-51-6	Benzyl Alcohol	0.080 U	0.23	0.080	mg/kg	
91-58-7	2-Chloronaphthalene	0.063 U	0.23	0.063	mg/kg	
106-47-8	4-Chloroaniline	0.064 U	0.23	0.064	mg/kg	
86-74-8	Carbazole	0.097 U	0.23	0.097	mg/kg	
218-01-9	Chrysene	0.074 U	0.23	0.074	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.085 U	0.23	0.085	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.049 U	0.23	0.049	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.069 U	0.23	0.069	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.077 U	0.23	0.077	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.070 U	0.23	0.070	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.063 U	0.23	0.063	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.099 U	0.23	0.099	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.058 U	0.23	0.058	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.092 U	0.45	0.092	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.23 U	0.23	0.23	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.23 U	0.23	0.23	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.079 U	0.23	0.079	mg/kg	
132-64-9	Dibenzofuran	0.063 U	0.23	0.063	mg/kg	
122-39-4	Diphenylamine	0.099 U	0.23	0.099	mg/kg	
84-74-2	Di-n-butyl phthalate	0.11 U	0.23	0.11	mg/kg	
117-84-0	Di-n-octyl phthalate	0.21 U	0.23	0.21	mg/kg	
84-66-2	Diethyl phthalate	0.063 U	0.23	0.063	mg/kg	
131-11-3	Dimethyl phthalate	0.056 U	0.23	0.056	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.11 U	0.23	0.11	mg/kg	
206-44-0	Fluoranthene	0.10 U	0.23	0.10	mg/kg	
86-73-7	Fluorene	0.069 U	0.23	0.069	mg/kg	
118-74-1	Hexachlorobenzene	0.074 U	0.23	0.074	mg/kg	
87-68-3	Hexachlorobutadiene	0.069 U	0.23	0.069	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.082 U	0.23	0.082	mg/kg	
67-72-1	Hexachloroethane	0.067 U	0.23	0.067	mg/kg	
95-13-6	Indene	1.1 U	1.1	1.1	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.088 U	0.23	0.088	mg/kg	
78-59-1	Isophorone	0.059 U	0.23	0.059	mg/kg	
90-12-0	1-Methylnaphthalene	0.054 U	0.23	0.054	mg/kg	
91-57-6	2-Methylnaphthalene	0.060 U	0.23	0.060	mg/kg	
	6-Methyl Chrysene	0.23 U	0.23	0.23	mg/kg	
88-74-4	2-Nitroaniline	0.059 U	0.23	0.059	mg/kg	
99-09-2	3-Nitroaniline	0.085 U	0.23	0.085	mg/kg	
100-01-6	4-Nitroaniline	0.12 U	0.23	0.12	mg/kg	
91-20-3	Naphthalene	0.055 U	0.23	0.055	mg/kg	
98-95-3	Nitrobenzene	0.063 U	0.23	0.063	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.091 U	0.23	0.091	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.099 U	0.23	0.099	mg/kg	
85-01-8	Phenanthrene	0.084 U	0.23	0.084	mg/kg	
129-00-0	Pyrene	0.11 U	0.23	0.11	mg/kg	
91-22-5	Quinoline	0.23 U	0.23	0.23	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.059 U	0.23	0.059	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.23 U	0.23	0.23	mg/kg	
	1,2-Cyclohexanediol	0.23 U	0.23	0.23	mg/kg	
98-85-1	1-Phenylethanol	0.23 U	0.23	0.23	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	40%			26-124%	
4165-62-2	Phenol-d5	50%			19-106%	
118-79-6	2,4,6-Tribromophenol	64%			18-129%	
4165-60-0	Nitrobenzene-d5	48%			18-104%	
321-60-8	2-Fluorobiphenyl	47%			21-114%	
1718-51-0	Terphenyl-d14	58%			24-149%	

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8151 SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG39263.D	1	12/10/07	FO	12/06/07	OP8643	GGG1212
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	MQL	SDL	Units	Q
94-75-7	2,4-D	0.018 U	0.045	0.018	mg/kg	
93-72-1	2,4,5-TP (Silvex)	0.016 U	0.018	0.016	mg/kg	
93-76-5	2,4,5-T	0.0045 U	0.0090	0.0045	mg/kg	
1918-00-9	Dicamba	0.0068 U	0.0090	0.0068	mg/kg	
88-85-7	Dinoseb	0.0059 U	0.0090	0.0059	mg/kg	
75-99-0	Dalapon	0.032 U	0.045	0.032	mg/kg	
120-36-5	Dichloroprop	0.012 U	0.045	0.012	mg/kg	
94-82-6	2,4-DB	0.074 U	0.090	0.074	mg/kg	
93-65-2	MCPP	0.23 U	0.23		mg/kg	
94-74-6	MCPA	0.23 U	0.23		mg/kg	
87-86-5	Pentachlorophenol	0.0014 U	0.0023	0.0014	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	51%		34-179%
19719-28-9	2,4-DCAA	54%		34-179%

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8081A SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG39162.D	1	12/07/07	FO	12/05/07	OP8631	GGG1211
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	MQL	SDL	Units	Q
309-00-2	Aldrin	0.00054 U	0.0023	0.00054	mg/kg	
319-84-6	alpha-BHC	0.00050 U	0.0023	0.00050	mg/kg	
319-85-7	beta-BHC	0.00073 U	0.0023	0.00073	mg/kg	
319-86-8	delta-BHC	0.00073 U	0.0023	0.00073	mg/kg	
58-89-9	gamma-BHC (Lindane)	0.0010 U	0.0023	0.0010	mg/kg	
5103-71-9	alpha-Chlordane	0.00045 U	0.0023	0.00045	mg/kg	
5103-74-2	gamma-Chlordane	0.00045 U	0.0023	0.00045	mg/kg	
60-57-1	Dieldrin	0.0012 U	0.0045	0.0012	mg/kg	
72-54-8	4,4'-DDD	0.0013 U	0.0045	0.0013	mg/kg	
72-55-9	4,4'-DDE	0.0017 U	0.0045	0.0017	mg/kg	
50-29-3	4,4'-DDT	0.0020 U	0.0045	0.0020	mg/kg	
72-20-8	Endrin	0.0015 U	0.0045	0.0015	mg/kg	
1031-07-8	Endosulfan sulfate	0.0013 U	0.0045	0.0013	mg/kg	
7421-93-4	Endrin aldehyde	0.0019 U	0.0045	0.0019	mg/kg	
53494-70-5	Endrin ketone	0.0012 U	0.0045	0.0012	mg/kg	
959-98-8	Endosulfan-I	0.00063 U	0.0045	0.00063	mg/kg	
33213-65-9	Endosulfan-II	0.0011 U	0.0045	0.0011	mg/kg	
76-44-8	Heptachlor	0.00063 U	0.0023	0.00063	mg/kg	
1024-57-3	Heptachlor epoxide	0.00045 U	0.0023	0.00045	mg/kg	
72-43-5	Methoxychlor	0.0099 U	0.023	0.0099	mg/kg	
8001-35-2	Toxaphene	0.017 U	0.023	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		26-156%
2051-24-3	Decachlorobiphenyl	68%		14-149%

U = Not detected SDL - Sample Detection Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Method:	SW846 8082 SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD69777.D	1	12/07/07	FO	12/05/07	OP8630	GDD1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	MQL	SDL	Units	Q
12674-11-2	Aroclor 1016	0.015 U	0.023	0.015	mg/kg	
11104-28-2	Aroclor 1221	0.023 U	0.023	0.023	mg/kg	
11141-16-5	Aroclor 1232	0.013 U	0.023	0.013	mg/kg	
53469-21-9	Aroclor 1242	0.019 U	0.023	0.019	mg/kg	
12672-29-6	Aroclor 1248	0.018 U	0.023	0.018	mg/kg	
11097-69-1	Aroclor 1254	0.019 U	0.023	0.019	mg/kg	
11096-82-5	Aroclor 1260	0.0095 U	0.023	0.0095	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	61%		28-148%
2051-24-3	Decachlorobiphenyl	69%		23-156%

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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	14200	21	4.6	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.29 U	1.1	0.29	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	2.5	1.1	0.21	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	160	21	0.064	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.52 B	0.53	0.021	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.11 U	0.53	0.11	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	19300	530	1.8	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	8.9	1.1	0.074	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	3.0 B	5.3	0.19	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	5.2	2.6	0.14	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	7850	11	2.4	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	11.6	1.1	0.42	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	3390	530	1.2	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	191	1.6	0.074	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.0070 B	0.020	0.00078	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	5.3	4.2	0.14	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	3380	530	33	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.25 U	1.1	0.25	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.085 U	1.1	0.085	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	1150	530	28	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.53 U	2.1	0.53	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	16.2	5.3	0.13	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	59.0	2.1	0.42	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

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Client Sample ID:	FR-096	Date Sampled:	12/03/07
Lab Sample ID:	T19944-12	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	73.1
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.4 U	2.7	1.4	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	73.1			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001087.D	1	12/09/07	ZLH	n/a	n/a	VM45
Run #2							

	Initial Weight	Final Volume
Run #1	5.09 g	5.0 ml
Run #2		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0087 U	0.061	0.0087	mg/kg	
71-43-2	Benzene	0.0017 U	0.0061	0.0017	mg/kg	
108-86-1	Bromobenzene	0.0015 U	0.0061	0.0015	mg/kg	
74-97-5	Bromochloromethane	0.0017 U	0.0061	0.0017	mg/kg	
75-27-4	Bromodichloromethane	0.0017 U	0.0061	0.0017	mg/kg	
75-25-2	Bromoform	0.0015 U	0.0061	0.0015	mg/kg	
71-36-3	n-Butyl Alcohol	0.061 U	0.061	0.061	mg/kg	
104-51-8	n-Butylbenzene	0.0012 U	0.0061	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	0.0012 U	0.0061	0.0012	mg/kg	
108-90-7	Chlorobenzene	0.0017 U	0.0061	0.0017	mg/kg	
75-00-3	Chloroethane	0.0017 U	0.0061	0.0017	mg/kg	
67-66-3	Chloroform	0.0015 U	0.0061	0.0015	mg/kg	
95-49-8	o-Chlorotoluene	0.0014 U	0.0061	0.0014	mg/kg	
106-43-4	p-Chlorotoluene	0.0014 U	0.0061	0.0014	mg/kg	
75-15-0	Carbon disulfide	0.0015 U	0.012	0.0015	mg/kg	
56-23-5	Carbon tetrachloride	0.0013 U	0.0061	0.0013	mg/kg	
110-82-7	Cyclohexane	0.0014 U	0.0061	0.0014	mg/kg	
75-34-3	1,1-Dichloroethane	0.0016 U	0.0061	0.0016	mg/kg	
75-35-4	1,1-Dichloroethylene	0.0015 U	0.0061	0.0015	mg/kg	
563-58-6	1,1-Dichloropropene	0.0014 U	0.0061	0.0014	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	0.0017 U	0.0061	0.0017	mg/kg	
106-93-4	1,2-Dibromoethane	0.0017 U	0.0061	0.0017	mg/kg	
107-06-2	1,2-Dichloroethane	0.0017 U	0.0061	0.0017	mg/kg	
78-87-5	1,2-Dichloropropane	0.0018 U	0.0061	0.0018	mg/kg	
142-28-9	1,3-Dichloropropane	0.0017 U	0.0061	0.0017	mg/kg	
123-91-1	1,4-Dioxane	0.029 U	0.30	0.029	mg/kg	
594-20-7	2,2-Dichloropropane	0.0013 U	0.0061	0.0013	mg/kg	
124-48-1	Dibromochloromethane	0.0017 U	0.0061	0.0017	mg/kg	
75-71-8	Dichlorodifluoromethane	0.0013 U	0.0061	0.0013	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	0.0017 U	0.0061	0.0017	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	0.0015 U	0.0061	0.0015	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	0.0016 U	0.0061	0.0016	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.0016 U	0.0061	0.0016	mg/kg	
100-41-4	Ethylbenzene	0.0015 U	0.0061	0.0015	mg/kg	
60-29-7	Ethyl Ether	0.0061 U	0.0061	0.0061	mg/kg	
110-54-3	Hexane	0.0013 U	0.0061	0.0013	mg/kg	
591-78-6	2-Hexanone	0.0083 U	0.061	0.0083	mg/kg	
87-68-3	Hexachlorobutadiene	0.0014 U	0.0061	0.0014	mg/kg	
98-82-8	Isopropylbenzene	0.0014 U	0.0061	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0015 U	0.0061	0.0015	mg/kg	
108-10-1	4-Methyl-2-pentanone	0.0085 U	0.061	0.0085	mg/kg	
74-83-9	Methyl bromide	0.0018 U	0.0061	0.0018	mg/kg	
74-87-3	Methyl chloride	0.0018 U	0.0061	0.0018	mg/kg	
74-95-3	Methylene bromide	0.0024 U	0.0061	0.0024	mg/kg	
75-09-2	Methylene chloride	0.0044	0.012	0.0030	mg/kg	J
78-93-3	Methyl ethyl ketone	0.0082 U	0.061	0.0082	mg/kg	
103-65-1	n-Propylbenzene	0.0013 U	0.0061	0.0013	mg/kg	
100-42-5	Styrene	0.0015 U	0.0061	0.0015	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	0.0017 U	0.0061	0.0017	mg/kg	
71-55-6	1,1,1-Trichloroethane	0.0015 U	0.0061	0.0015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	0.0017 U	0.0061	0.0017	mg/kg	
79-00-5	1,1,2-Trichloroethane	0.0017 U	0.0061	0.0017	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	0.0015 U	0.0061	0.0015	mg/kg	
96-18-4	1,2,3-Trichloropropane	0.0017 U	0.0061	0.0017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.0012 U	0.0061	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0013 U	0.0061	0.0013	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0013 U	0.0061	0.0013	mg/kg	
127-18-4	Tetrachloroethylene	0.0016 U	0.0061	0.0016	mg/kg	
108-88-3	Toluene	0.0015 U	0.0061	0.0015	mg/kg	
79-01-6	Trichloroethylene	0.0016 U	0.0061	0.0016	mg/kg	
75-69-4	Trichlorofluoromethane	0.0012 U	0.0061	0.0012	mg/kg	
75-01-4	Vinyl chloride	0.0016 U	0.0061	0.0016	mg/kg	
108-05-4	Vinyl Acetate	0.0092 U	0.030	0.0092	mg/kg	
1330-20-7	Xylene (total)	0.0046 U	0.018	0.0046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		68-127%
2037-26-5	Toluene-D8	119%		76-139%
460-00-4	4-Bromofluorobenzene	120%		68-167%
17060-07-0	1,2-Dichloroethane-D4	99%		56-121%

U = Not detected SDL - Sample Detection Limit

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MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24848.D	1	12/13/07	SC	12/07/07	OP8652	EA1542
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.20 U	0.20	0.20	mg/kg	
65-85-0	Benzoic acid	0.051 U	1.0	0.051	mg/kg	
95-57-8	2-Chlorophenol	0.063 U	0.20	0.063	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	0.047 U	0.20	0.047	mg/kg	
120-83-2	2,4-Dichlorophenol	0.069 U	0.20	0.069	mg/kg	
105-67-9	2,4-Dimethylphenol	0.065 U	0.20	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	0.069 U	1.0	0.069	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	0.13 U	0.41	0.13	mg/kg	
95-48-7	2-Methylphenol	0.045 U	0.20	0.045	mg/kg	
	3&4-Methylphenol	0.067 U	0.20	0.067	mg/kg	
100-02-7	4-Nitrophenol	0.080 U	0.20	0.080	mg/kg	
87-86-5	Pentachlorophenol	0.054 U	1.0	0.054	mg/kg	
108-95-2	Phenol	0.082 U	0.20	0.082	mg/kg	
95-95-4	2,4,5-Trichlorophenol	0.057 U	0.20	0.057	mg/kg	
88-06-2	2,4,6-Trichlorophenol	0.055 U	0.20	0.055	mg/kg	
83-32-9	Acenaphthene	0.049 U	0.20	0.049	mg/kg	
208-96-8	Acenaphthylene	0.055 U	0.20	0.055	mg/kg	
120-12-7	Anthracene	0.067 U	0.20	0.067	mg/kg	
56-55-3	Benzo(a)anthracene	0.076 U	0.20	0.076	mg/kg	
50-32-8	Benzo(a)pyrene	0.067 U	0.20	0.067	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.086 U	0.20	0.086	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.11 U	0.20	0.11	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.094 U	0.20	0.094	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	0.078 U	0.20	0.078	mg/kg	
85-68-7	Butyl benzyl phthalate	0.098 U	0.20	0.098	mg/kg	
100-51-6	Benzyl Alcohol	0.072 U	0.20	0.072	mg/kg	
91-58-7	2-Chloronaphthalene	0.057 U	0.20	0.057	mg/kg	
106-47-8	4-Chloroaniline	0.058 U	0.20	0.058	mg/kg	
86-74-8	Carbazole	0.088 U	0.20	0.088	mg/kg	
218-01-9	Chrysene	0.067 U	0.20	0.067	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	0.076 U	0.20	0.076	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	0.044 U	0.20	0.044	mg/kg	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.062 U	0.20	0.062	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.069 U	0.20	0.069	mg/kg	
541-73-1	1,3-Dichlorobenzene	0.063 U	0.20	0.063	mg/kg	
106-46-7	1,4-Dichlorobenzene	0.057 U	0.20	0.057	mg/kg	
121-14-2	2,4-Dinitrotoluene	0.089 U	0.20	0.089	mg/kg	
606-20-2	2,6-Dinitrotoluene	0.053 U	0.20	0.053	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	0.083 U	0.41	0.083	mg/kg	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.20 U	0.20	0.20	mg/kg	
226-36-8	Dibenz(a,h)acridine	0.20 U	0.20	0.20	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.071 U	0.20	0.071	mg/kg	
132-64-9	Dibenzofuran	0.056 U	0.20	0.056	mg/kg	
122-39-4	Diphenylamine	0.089 U	0.20	0.089	mg/kg	
84-74-2	Di-n-butyl phthalate	0.10 U	0.20	0.10	mg/kg	
117-84-0	Di-n-octyl phthalate	0.19 U	0.20	0.19	mg/kg	
84-66-2	Diethyl phthalate	0.057 U	0.20	0.057	mg/kg	
131-11-3	Dimethyl phthalate	0.051 U	0.20	0.051	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.10 U	0.20	0.10	mg/kg	
206-44-0	Fluoranthene	0.092 U	0.20	0.092	mg/kg	
86-73-7	Fluorene	0.062 U	0.20	0.062	mg/kg	
118-74-1	Hexachlorobenzene	0.067 U	0.20	0.067	mg/kg	
87-68-3	Hexachlorobutadiene	0.062 U	0.20	0.062	mg/kg	
77-47-4	Hexachlorocyclopentadiene	0.074 U	0.20	0.074	mg/kg	
67-72-1	Hexachloroethane	0.060 U	0.20	0.060	mg/kg	
95-13-6	Indene	1.0 U	1.0	1.0	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.079 U	0.20	0.079	mg/kg	
78-59-1	Isophorone	0.053 U	0.20	0.053	mg/kg	
90-12-0	1-Methylnaphthalene	0.049 U	0.20	0.049	mg/kg	
91-57-6	2-Methylnaphthalene	0.054 U	0.20	0.054	mg/kg	
	6-Methyl Chrysene	0.20 U	0.20	0.20	mg/kg	
88-74-4	2-Nitroaniline	0.053 U	0.20	0.053	mg/kg	
99-09-2	3-Nitroaniline	0.076 U	0.20	0.076	mg/kg	
100-01-6	4-Nitroaniline	0.11 U	0.20	0.11	mg/kg	
91-20-3	Naphthalene	0.049 U	0.20	0.049	mg/kg	
98-95-3	Nitrobenzene	0.057 U	0.20	0.057	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	0.082 U	0.20	0.082	mg/kg	
86-30-6	N-Nitrosodiphenylamine	0.089 U	0.20	0.089	mg/kg	
85-01-8	Phenanthrene	0.076 U	0.20	0.076	mg/kg	
129-00-0	Pyrene	0.10 U	0.20	0.10	mg/kg	
91-22-5	Quinoline	0.20 U	0.20	0.20	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	0.053 U	0.20	0.053	mg/kg	

U = Not detected SDL - Sample Detection Limit

MQL = Method Quantitation Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8270C SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
931-17-9	1,3&1,4-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
	1,2-Cyclohexanediol	0.20 U	0.20	0.20	mg/kg	
98-85-1	1-Phenylethanol	0.20 U	0.20	0.20	mg/kg	
CAS No. Surrogate Recoveries Run# 1 Run# 2 Limits						
367-12-4	2-Fluorophenol	50%			26-124%	
4165-62-2	Phenol-d5	55%			19-106%	
118-79-6	2,4,6-Tribromophenol	87%			18-129%	
4165-60-0	Nitrobenzene-d5	61%			18-104%	
321-60-8	2-Fluorobiphenyl	65%			21-114%	
1718-51-0	Terphenyl-d14	92%			24-149%	

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8151 SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG39264.D	1	12/10/07	FO	12/06/07	OP8643	GGG1212
Run #2							

	Initial Weight	Final Volume
Run #1	30.9 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	MQL	SDL	Units	Q
94-75-7	2,4-D	0.016 U	0.040	0.016	mg/kg	
93-72-1	2,4,5-TP (Silvex)	0.014 U	0.016	0.014	mg/kg	
93-76-5	2,4,5-T	0.0040 U	0.0080	0.0040	mg/kg	
1918-00-9	Dicamba	0.0060 U	0.0080	0.0060	mg/kg	
88-85-7	Dinoseb	0.0052 U	0.0080	0.0052	mg/kg	
75-99-0	Dalapon	0.028 U	0.040	0.028	mg/kg	
120-36-5	Dichloroprop	0.011 U	0.040	0.011	mg/kg	
94-82-6	2,4-DB	0.065 U	0.080	0.065	mg/kg	
93-65-2	MCPP	0.20 U	0.20		mg/kg	
94-74-6	MCPA	0.20 U	0.20		mg/kg	
87-86-5	Pentachlorophenol	0.0012 U	0.0020	0.0012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	55%		34-179%
19719-28-9	2,4-DCAA	51%		34-179%

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 N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8081A SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GG39163.D	1	12/07/07	FO	12/05/07	OP8631	GGG1211
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	MQL	SDL	Units	Q
309-00-2	Aldrin	0.00049 U	0.0021	0.00049	mg/kg	
319-84-6	alpha-BHC	0.00045 U	0.0021	0.00045	mg/kg	
319-85-7	beta-BHC	0.00066 U	0.0021	0.00066	mg/kg	
319-86-8	delta-BHC	0.00066 U	0.0021	0.00066	mg/kg	
58-89-9	gamma-BHC (Lindane)	0.00090 U	0.0021	0.00090	mg/kg	
5103-71-9	alpha-Chlordane	0.00041 U	0.0021	0.00041	mg/kg	
5103-74-2	gamma-Chlordane	0.00041 U	0.0021	0.00041	mg/kg	
60-57-1	Dieldrin	0.0011 U	0.0041	0.0011	mg/kg	
72-54-8	4,4'-DDD	0.0012 U	0.0041	0.0012	mg/kg	
72-55-9	4,4'-DDE	0.0016 U	0.0041	0.0016	mg/kg	
50-29-3	4,4'-DDT	0.0018 U	0.0041	0.0018	mg/kg	
72-20-8	Endrin	0.0014 U	0.0041	0.0014	mg/kg	
1031-07-8	Endosulfan sulfate	0.0012 U	0.0041	0.0012	mg/kg	
7421-93-4	Endrin aldehyde	0.0017 U	0.0041	0.0017	mg/kg	
53494-70-5	Endrin ketone	0.0011 U	0.0041	0.0011	mg/kg	
959-98-8	Endosulfan-I	0.00058 U	0.0041	0.00058	mg/kg	
33213-65-9	Endosulfan-II	0.0010 U	0.0041	0.0010	mg/kg	
76-44-8	Heptachlor	0.00058 U	0.0021	0.00058	mg/kg	
1024-57-3	Heptachlor epoxide	0.00041 U	0.0021	0.00041	mg/kg	
72-43-5	Methoxychlor	0.0090 U	0.021	0.0090	mg/kg	
8001-35-2	Toxaphene	0.015 U	0.021	0.015	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	52%		26-156%
2051-24-3	Decachlorobiphenyl	55%		14-149%

U = Not detected SDL - Sample Detection Limit
 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Method:	SW846 8082 SW846 3550B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DD69778.D	1	12/07/07	FO	12/05/07	OP8630	GDD1357
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	MQL	SDL	Units	Q
12674-11-2	Aroclor 1016	0.014 U	0.021	0.014	mg/kg	
11104-28-2	Aroclor 1221	0.021 U	0.021	0.021	mg/kg	
11141-16-5	Aroclor 1232	0.012 U	0.021	0.012	mg/kg	
53469-21-9	Aroclor 1242	0.018 U	0.021	0.018	mg/kg	
12672-29-6	Aroclor 1248	0.016 U	0.021	0.016	mg/kg	
11097-69-1	Aroclor 1254	0.017 U	0.021	0.017	mg/kg	
11096-82-5	Aroclor 1260	0.0086 U	0.021	0.0086	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	44%		28-148%
2051-24-3	Decachlorobiphenyl	58%		23-156%

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Report of Analysis

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	2460	16	3.6	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Antimony	0.22 U	0.81	0.22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Arsenic	1.1	0.81	0.16	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Barium	39.6	16	0.049	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Beryllium	0.12 B	0.41	0.016	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cadmium	0.081 U	0.41	0.081	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Calcium	1890	410	1.4	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Chromium	2.9	0.81	0.057	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Cobalt	0.55 B	4.1	0.15	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Copper	1.1 B	2.0	0.11	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Iron	1790	8.1	1.8	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Lead	2.7	0.81	0.32	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Magnesium	619	410	0.93	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Manganese	29.0	1.2	0.057	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Mercury	0.00073 U	0.019	0.00073	mg/kg	1	12/14/07	12/14/07 NS	SW846 7471A ³	SW846 7471A ⁵
Nickel	1.3 B	3.2	0.11	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Potassium	532	410	25	mg/kg	1	12/07/07	12/09/07 NS	SW846 6010B ²	SW846 3050B ⁴
Selenium	0.19 U	0.81	0.19	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Silver	0.065 U	0.81	0.065	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Sodium	571	410	22	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Thallium	0.41 U	1.6	0.41	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Vanadium	3.7 B	4.1	0.097	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴
Zinc	6.4	1.6	0.32	mg/kg	1	12/07/07	12/08/07 NS	SW846 6010B ¹	SW846 3050B ⁴

- (1) Instrument QC Batch: MA3263
- (2) Instrument QC Batch: MA3265
- (3) Instrument QC Batch: MA3277
- (4) Prep QC Batch: MP6987
- (5) Prep QC Batch: MP7033

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-097	Date Sampled:	12/03/07
Lab Sample ID:	T19944-13	Date Received:	12/04/07
Matrix:	SO - Soil	Percent Solids:	81.0
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent ^a	1.2 U	2.5	1.2	mg/kg	1	12/21/07	AFL	SW846 3060A/7196A
Solids, Percent	81			%	1	12/13/07	RM	EPA 160.3 M

(a) Analysis performed at Accutest Laboratories, Orlando, FL.

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088669.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0065	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
17060-07-0	1,2-Dichloroethane-D4	102%		69-128%
2037-26-5	Toluene-D8	104%		80-121%
460-00-4	4-Bromofluorobenzene	114%		69-142%

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	H24631.D	1	12/07/07	SC	12/05/07	OP8628	EH1385
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
108-98-5	Benzene thiol	0.010 U	0.010	0.010	mg/l	
65-85-0	Benzoic Acid	0.00058 U	0.010	0.00058	mg/l	
95-57-8	2-Chlorophenol	0.0014 U	0.0050	0.0014	mg/l	
59-50-7	4-Chloro-3-methyl phenol	0.0012 U	0.0050	0.0012	mg/l	
120-83-2	2,4-Dichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
105-67-9	2,4-Dimethylphenol	0.0026 U	0.0050	0.0026	mg/l	
51-28-5	2,4-Dinitrophenol	0.0024 U	0.025	0.0024	mg/l	
534-52-1	4,6-Dinitro-o-cresol	0.0039 U	0.010	0.0039	mg/l	
95-48-7	2-Methylphenol	0.0012 U	0.0050	0.0012	mg/l	
	3&4-Methylphenol	0.0011 U	0.0050	0.0011	mg/l	
100-02-7	4-Nitrophenol	0.0017 U	0.025	0.0017	mg/l	
87-86-5	Pentachlorophenol	0.0040 U	0.025	0.0040	mg/l	
108-95-2	Phenol	0.00052 U	0.0050	0.00052	mg/l	
95-95-4	2,4,5-Trichlorophenol	0.0018 U	0.0050	0.0018	mg/l	
88-06-2	2,4,6-Trichlorophenol	0.0015 U	0.0050	0.0015	mg/l	
83-32-9	Acenaphthene	0.0015 U	0.0050	0.0015	mg/l	
208-96-8	Acenaphthylene	0.0016 U	0.0050	0.0016	mg/l	
120-12-7	Anthracene	0.0018 U	0.0050	0.0018	mg/l	
56-55-3	Benzo(a)anthracene	0.0014 U	0.0050	0.0014	mg/l	
50-32-8	Benzo(a)pyrene	0.0016 U	0.0050	0.0016	mg/l	
205-99-2	Benzo(b)fluoranthene	0.0015 U	0.0050	0.0015	mg/l	
191-24-2	Benzo(g,h,i)perylene	0.0025 U	0.0050	0.0025	mg/l	
207-08-9	Benzo(k)fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
101-55-3	4-Bromophenyl phenyl ether	0.0021 U	0.0050	0.0021	mg/l	
85-68-7	Butyl benzyl phthalate	0.0017 U	0.0050	0.0017	mg/l	
100-51-6	Benzyl Alcohol	0.0019 U	0.0050	0.0019	mg/l	
91-58-7	2-Chloronaphthalene	0.0012 U	0.0050	0.0012	mg/l	
106-47-8	4-Chloroaniline	0.0016 U	0.0050	0.0016	mg/l	
86-74-8	Carbazole	0.0017 U	0.0050	0.0017	mg/l	
218-01-9	Chrysene	0.0013 U	0.0050	0.0013	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	0.0016 U	0.0050	0.0016	mg/l	
111-44-4	bis(2-Chloroethyl)ether	0.0012 U	0.0050	0.0012	mg/l	

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E = Indicates value exceeds calibration range

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Report of Analysis

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	0.0015 U	0.0050	0.0015	mg/l	
95-50-1	1,2-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
541-73-1	1,3-Dichlorobenzene	0.0016 U	0.0050	0.0016	mg/l	
106-46-7	1,4-Dichlorobenzene	0.0015 U	0.0050	0.0015	mg/l	
121-14-2	2,4-Dinitrotoluene	0.0024 U	0.0050	0.0024	mg/l	
606-20-2	2,6-Dinitrotoluene	0.0017 U	0.0050	0.0017	mg/l	
91-94-1	3,3'-Dichlorobenzidine	0.0037 U	0.010	0.0037	mg/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	0.0050 U	0.0050	0.0050	mg/l	
226-36-8	Dibenz(a,h)acridine	0.0010 U	0.0050	0.0010	mg/l	
53-70-3	Dibenzo(a,h)anthracene	0.0013 U	0.0050	0.0013	mg/l	
132-64-9	Dibenzofuran	0.0023 U	0.0050	0.0023	mg/l	
122-39-4	Diphenylamine	0.0019 U	0.0050	0.0019	mg/l	
84-74-2	Di-n-butyl phthalate	0.0016 U	0.0050	0.0016	mg/l	
117-84-0	Di-n-octyl phthalate	0.0013 U	0.0050	0.0013	mg/l	
84-66-2	Diethyl phthalate	0.0011 U	0.0050	0.0011	mg/l	
131-11-3	Dimethyl phthalate	0.0018 U	0.0050	0.0018	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0015 U	0.0050	0.0015	mg/l	
206-44-0	Fluoranthene	0.0016 U	0.0050	0.0016	mg/l	
86-73-7	Fluorene	0.0021 U	0.0050	0.0021	mg/l	
118-74-1	Hexachlorobenzene	0.0019 U	0.0050	0.0019	mg/l	
87-68-3	Hexachlorobutadiene	0.0019 U	0.0050	0.0019	mg/l	
77-47-4	Hexachlorocyclopentadiene	0.0014 U	0.0050	0.0014	mg/l	
67-72-1	Hexachloroethane	0.0017 U	0.0050	0.0017	mg/l	
95-13-6	Indene	0.014 U	0.015	0.014	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0024 U	0.0050	0.0024	mg/l	
78-59-1	Isophorone	0.0012 U	0.0050	0.0012	mg/l	
90-12-0	1-Methylnaphthalene	0.0017 U	0.0050	0.0017	mg/l	
91-57-6	2-Methylnaphthalene	0.0020 U	0.0050	0.0020	mg/l	
	6-Methyl Chrysene	0.0050 U	0.0050	0.0050	mg/l	
88-74-4	2-Nitroaniline	0.0021 U	0.0050	0.0021	mg/l	
99-09-2	3-Nitroaniline	0.0027 U	0.0050	0.0027	mg/l	
100-01-6	4-Nitroaniline	0.0050 U	0.0050	0.0050	mg/l	
91-20-3	Naphthalene	0.0015 U	0.0050	0.0015	mg/l	
98-95-3	Nitrobenzene	0.0014 U	0.0050	0.0014	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	0.0017 U	0.0050	0.0017	mg/l	
86-30-6	N-Nitrosodiphenylamine	0.0019 U	0.0050	0.0019	mg/l	
85-01-8	Phenanthrene	0.0016 U	0.0050	0.0016	mg/l	
129-00-0	Pyrene	0.0011 U	0.0050	0.0011	mg/l	
91-22-5	Quinoline	0.0010 U	0.0050	0.0010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.0010 U	0.0050	0.0010	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8270C

CAS No.	Compound	Result	MQL	SDL	Units	Q
98-85-1	1-Phenylethanol	0.0050 U	0.0050	0.0050	mg/l	
931-17-9	1,2-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	
	1,3&1,4-Cyclohexanediol	0.0050 U	0.0050	0.0050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-66%
4165-62-2	Phenol-d5	27%		10-53%
118-79-6	2,4,6-Tribromophenol	56%		32-128%
4165-60-0	Nitrobenzene-d5	59%		29-115%
321-60-8	2-Fluorobiphenyl	59%		34-113%
1718-51-0	Terphenyl-d14	93%		12-145%

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Method:	SW846 8270C BY SIM	SW846 3510C	
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A24714.D	1	12/07/07	SC	12/05/07	OP8629	EA1537
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	MQL	SDL	Units	Q
56-55-3	Benzo(a)anthracene	0.000055 U	0.00020	0.000055	mg/l	
50-32-8	Benzo(a)pyrene	0.000099 U	0.00020	0.000099	mg/l	
205-99-2	Benzo(b)fluoranthene	0.000056 U	0.00020	0.000056	mg/l	
207-08-9	Benzo(k)fluoranthene	0.000046 U	0.00020	0.000046	mg/l	

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 MQL = Method Quantitation Limit
 E = Indicates value exceeds calibration range

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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

Metals Analysis

Analyte	Result	MQL	SDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	86 U	200	86	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Antimony	2.7 U	5.0	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Arsenic	2.7 U	5.0	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Barium	2.4 U	200	2.4	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Beryllium	0.26 U	5.0	0.26	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Cadmium	1.8 U	4.0	1.8	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Calcium	170 U	5000	170	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Chromium	1.5 U	10	1.5	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Cobalt	9.6 U	50	9.6	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Copper	5.9 U	25	5.9	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Iron	68.0 B	100	24	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Lead	2.8 U	3.0	2.8	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Magnesium	13 U	5000	13	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Manganese	5.8 B	15	4.1	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Mercury	0.094 U	0.20	0.094	ug/l	1	12/12/07	12/12/07 NS	SW846 7470A ¹	SW846 7470A ⁵
Nickel	2.6 U	40	2.6	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Potassium	160 U	5000	160	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Selenium	2.3 U	5.0	2.3	ug/l	1	12/14/07	12/15/07 NS	SW846 6010B ³	SW846 3010A ⁶
Silver	1.1 U	10	1.1	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Sodium	330 U	5000	330	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Thallium	3.5 B	10	2.7	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Vanadium	0.94 U	50	0.94	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴
Zinc	18.0 B	20	7.5	ug/l	1	12/12/07	12/13/07 NS	SW846 6010B ²	SW846 3010A ⁴

- (1) Instrument QC Batch: MA3271
- (2) Instrument QC Batch: MA3273
- (3) Instrument QC Batch: MA3280
- (4) Prep QC Batch: MP7014
- (5) Prep QC Batch: MP7018
- (6) Prep QC Batch: MP7039

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	FR-098	Date Sampled:	12/03/07
Lab Sample ID:	T19944-14	Date Received:	12/04/07
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	0.0040 U	0.010	0.0040	mg/l	1	12/04/07 07:15	SS	SW846 7196A

MQL = Method Quantitation Limit
 SDL = Sample Detection Limit

U = Indicates a result < SDL
 B = Indicates a result > = SDL but < MQL

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	12/03/07
Lab Sample ID:	T19944-15	Date Received:	12/04/07
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088661.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0037	0.050	0.0026	mg/l	J
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected SDL - Sample Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	12/03/07
Lab Sample ID:	T19944-15	Date Received:	12/04/07
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	0.00036 U	0.0020	0.00036	mg/l	
100-41-4	Ethylbenzene	0.00045 U	0.0020	0.00045	mg/l	
60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
103-65-1	n-Propylbenzene	0.00051 U	0.0020	0.00051	mg/l	
100-42-5	Styrene	0.00035 U	0.0020	0.00035	mg/l	
630-20-6	1,1,1,2-Tetrachloroethane	0.00037 U	0.0020	0.00037	mg/l	
71-55-6	1,1,1-Trichloroethane	0.00047 U	0.0020	0.00047	mg/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.00042 U	0.0020	0.00042	mg/l	
79-00-5	1,1,2-Trichloroethane	0.00044 U	0.0020	0.00044	mg/l	
87-61-6	1,2,3-Trichlorobenzene	0.00043 U	0.0020	0.00043	mg/l	
96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-125%
17060-07-0	1,2-Dichloroethane-D4	102%		69-128%
2037-26-5	Toluene-D8	102%		80-121%
460-00-4	4-Bromofluorobenzene	112%		69-142%

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

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Client Sample ID:	TRIP BLANK	Date Sampled:	12/03/07
Lab Sample ID:	T19944-16	Date Received:	12/04/07
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0088660.D	1	12/09/07	ZLH	n/a	n/a	VF2797
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
67-64-1	Acetone	0.0026 U	0.050	0.0026	mg/l	
71-43-2	Benzene	0.00046 U	0.0020	0.00046	mg/l	
108-86-1	Bromobenzene	0.00042 U	0.0020	0.00042	mg/l	
74-97-5	Bromochloromethane	0.00049 U	0.0020	0.00049	mg/l	
75-27-4	Bromodichloromethane	0.00042 U	0.0020	0.00042	mg/l	
75-25-2	Bromoform	0.0014 U	0.0020	0.0014	mg/l	
71-36-3	n-Butyl Alcohol	0.020 U	0.020	0.020	mg/l	
104-51-8	n-Butylbenzene	0.00055 U	0.0020	0.00055	mg/l	
98-06-6	tert-Butylbenzene	0.00083 U	0.0020	0.00083	mg/l	
108-90-7	Chlorobenzene	0.00042 U	0.0020	0.00042	mg/l	
75-00-3	Chloroethane	0.00039 U	0.0020	0.00039	mg/l	
67-66-3	Chloroform	0.00054 U	0.0020	0.00054	mg/l	
95-49-8	o-Chlorotoluene	0.00038 U	0.0020	0.00038	mg/l	
106-43-4	p-Chlorotoluene	0.00050 U	0.0020	0.00050	mg/l	
75-15-0	Carbon disulfide	0.00051 U	0.0020	0.00051	mg/l	
56-23-5	Carbon tetrachloride	0.00045 U	0.0020	0.00045	mg/l	
110-82-7	Cyclohexane	0.00053 U	0.0020	0.00053	mg/l	
75-34-3	1,1-Dichloroethane	0.00041 U	0.0020	0.00041	mg/l	
75-35-4	1,1-Dichloroethylene	0.00048 U	0.0020	0.00048	mg/l	
563-58-6	1,1-Dichloropropene	0.00035 U	0.0020	0.00035	mg/l	
96-12-8	1,2-Dibromo-3-chloropropane	0.0011 U	0.0020	0.0011	mg/l	
106-93-4	1,2-Dibromoethane	0.00047 U	0.0020	0.00047	mg/l	
107-06-2	1,2-Dichloroethane	0.00050 U	0.0020	0.00050	mg/l	
78-87-5	1,2-Dichloropropane	0.00053 U	0.0020	0.00053	mg/l	
142-28-9	1,3-Dichloropropane	0.00041 U	0.0020	0.00041	mg/l	
123-91-1	1,4-Dioxane	0.13 U	0.25	0.13	mg/l	
594-20-7	2,2-Dichloropropane	0.00058 U	0.0020	0.00058	mg/l	
124-48-1	Dibromochloromethane	0.00046 U	0.0020	0.00046	mg/l	
75-71-8	Dichlorodifluoromethane	0.00053 U	0.0020	0.00053	mg/l	
156-59-2	cis-1,2-Dichloroethylene	0.00043 U	0.0020	0.00043	mg/l	
10061-01-5	cis-1,3-Dichloropropene	0.00053 U	0.0020	0.00053	mg/l	
156-60-5	trans-1,2-Dichloroethylene	0.00046 U	0.0020	0.00046	mg/l	

U = Not detected SDL - Sample Detection Limit

J = Indicates an estimated value

MQL = Method Quantitation Limit

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E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.16

3

Client Sample ID:	TRIP BLANK	Date Sampled:	12/03/07
Lab Sample ID:	T19944-16	Date Received:	12/04/07
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Falcon Refinery Superfund Site/Ingleside, TX		

SW-846 8260B

CAS No.	Compound	Result	MQL	SDL	Units	Q
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60-29-7	Ethyl Ether	0.0020 U	0.0020	0.0020	mg/l	
110-54-3	hexane	0.00061 U	0.0020	0.00061	mg/l	
591-78-6	2-Hexanone	0.0024 U	0.010	0.0024	mg/l	
87-68-3	Hexachlorobutadiene	0.0012 U	0.0020	0.0012	mg/l	
98-82-8	Isopropylbenzene	0.00041 U	0.0020	0.00041	mg/l	
99-87-6	p-Isopropyltoluene	0.00040 U	0.0020	0.00040	mg/l	
108-10-1	4-Methyl-2-pentanone	0.0025 U	0.010	0.0025	mg/l	
74-83-9	Methyl bromide	0.00054 U	0.0020	0.00054	mg/l	
74-87-3	Methyl chloride	0.00042 U	0.0020	0.00042	mg/l	
74-95-3	Methylene bromide	0.00041 U	0.0020	0.00041	mg/l	
75-09-2	Methylene chloride	0.00041 U	0.0050	0.00041	mg/l	
78-93-3	Methyl ethyl ketone	0.0025 U	0.010	0.0025	mg/l	
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96-18-4	1,2,3-Trichloropropane	0.00069 U	0.0020	0.00069	mg/l	
120-82-1	1,2,4-Trichlorobenzene	0.00053 U	0.0020	0.00053	mg/l	
95-63-6	1,2,4-Trimethylbenzene	0.00046 U	0.0020	0.00046	mg/l	
108-67-8	1,3,5-Trimethylbenzene	0.00044 U	0.0020	0.00044	mg/l	
127-18-4	Tetrachloroethylene	0.00050 U	0.0020	0.00050	mg/l	
108-88-3	Toluene	0.00048 U	0.0020	0.00048	mg/l	
79-01-6	Trichloroethylene	0.00047 U	0.0020	0.00047	mg/l	
75-69-4	Trichlorofluoromethane	0.00047 U	0.0020	0.00047	mg/l	
75-01-4	Vinyl chloride	0.00042 U	0.0020	0.00042	mg/l	
108-05-4	Vinyl Acetate	0.0023 U	0.010	0.0023	mg/l	
1330-20-7	Xylene (total)	0.0060 U	0.0060		mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-125%
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460-00-4	4-Bromofluorobenzene	113%		69-142%

U = Not detected SDL - Sample Detection Limit

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MQL = Method Quantitation Limit

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IT'S ALL IN THE CHEMISTRY



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

CHAIN OF CUSTODY

Page 1 of 1

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

T19944: Chain of Custody
Page 1 of 3



CHAIN OF CUSTODY

Page 1 of 1

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

Client / Reporting Information		Project Information				Requested Analyses		Matrix Codes							
Company Name KLEINFELDER	E-Mail Stephen Halasz halasz@kleinfelder.com	Project Name / No. Falcon Refinery Superfund Site/Ingleside, Texas	Bill to Invoice Attn.					DW - Drinking Water							
Project Contact	Address 3601 Manor Road Austin, TX	Address City Zip	City State Zip					GW - Ground Water							
Address								WW - Wastewater							
City Austin, TX	State 78723	Zip						SO - Soil							
Phone No. 512-926-6650	Fax No.	Phone No.	Fax No.					SL - Sludge							
Samplers Name PAUL S. PAUL, DEBORAH ALANIZ, CHRIS NUNNESSEN				Client Purchase Order #				LIQ - Oil							
Accutest Sample #		Field ID / Point of Collection		Collection		# of bottles	Number of preserved bottles	VOA (82460TCL)	SUOA (82207TCL)	TAL METALS (60107471)	PCB (8082)	Herbicides (8151)	Pesticides (8031)	Hex Cr	
				Date	Time			<input type="checkbox"/> ICI	<input type="checkbox"/> NaOH	<input type="checkbox"/> HNO3	<input type="checkbox"/> HCl/SO4	<input type="checkbox"/> EDC/CRE	<input type="checkbox"/> NaHCO3	<input type="checkbox"/> NaClO	<input type="checkbox"/> NONE
10 FR-094	12/31/07 3:20	S	2											X	
11 FR-095	12/31/07 3:25	S	2											X	
12 FR-096	12/31/07 4:20	S	2											X	
13 FR-097	12/31/07 4:25	S	2											X	
14 FR-098	12/31/07 4:40	W	7 3	1		3	X	X	X					X	
15 TRIP BLANK	12/31/07	W	2 2				X								
16 TRIP BLANK	12/31/07	W	2 2				X								
Turnaround Time (CAL days)		Data Deliverable Information						Comments / Remarks							
<input checked="" type="checkbox"/> 12 Day STANDARD <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 4 Day RUSH <input type="checkbox"/> 3 Day EMERGENCY <input type="checkbox"/> 2 Day EMERGENCY <input type="checkbox"/> 1 Day EMERGENCY <input type="checkbox"/> Other		Approved By/ Date: 12 CAL DAY		<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> Reduced Tier 1 <input type="checkbox"/> Full Data Package		<input type="checkbox"/> State Forms <input type="checkbox"/> EDD Format <input checked="" type="checkbox"/> TRRP Commercial "A" = Results Only Commercial "B" = Results & Standard QC		TRRP REPORTING							
Real time analytical data available via Lablink															
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY															
Relinquished by Sampler: 1 Paul S. Paul	Date Time: 12/31/07	Received By: 123	Relinquished By: 2	Date Time: 12/31/07	Received By: 2										
Relinquished by: 3	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:										
Relinquished by: 5	Date Time: 12/31/07	Received By: 123	Relinquished By: 4	Date Time: 12/31/07	Received By: 4										
			Knowsby Seal # 5	Preserved where applicable		On Ice	Cooler Temp								

T19944: Chain of Custody

Page 2 of 3



SAMPLE RECEIPT LOG

JOB #: 719944

DATE/TIME RECEIVED: 9:30 12/4/01

CLIENT: Kleinfeider

INITIALS: AV

Condition/Variance (Circle "Y" for yes and "N" for no or NA. If "N" is circled, see variance for explanation)

1. Y N Sample received in undamaged condition. 2. Y N Samples received within temp. range.
3. N Sample received with proper pH. 4. Y N Sample received in proper containers.
5. Y N Sample volume sufficient for analysis. 6. Y N Sample received with chain of custody.
7. Y N Chain of Custody matches sample IDs and analysis on containers.
8. N Sample Headspace acceptable
9. Y N NA Custody seal received intact and tamper not evident on cooler.
10. Y N NA Custody seal received intact and tamper not evident on bottles.

LOCATION: WI: Walk-In VR: Volatile Refrig. SUB: Subcontract EF: Encore Freeze

PRESERVATIVES: 1: None 2: HCl 3: HNO₃ 4: H₂SO₄ 5: NaOH 6: Other

Comments:

pH of waters checked excluding volatiles

pH of soils N/A

Delivery method: Courier: driver

COOLER TEMP: 29 COOLER TEMP: _____
COOLER TEMP: 33 COOLER TEMP: _____
From: SM012 Rev 07/28/06 QAO

Form: SM012 Rev 07/28/06 OAO

Appendix A Laboratory Data Package Cover Page

4.2
4

This data package consists of:

- This signature page, the laboratory review checklist, and the following reportable data:
 - R1 Field chain-of-custody documentation;
 - R2 Sample identification cross-reference;
 - R3 Test reports (analytical data sheets) for each environmental sample that includes:
 - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
 - b) dilution factors,
 - c) preparation methods,
 - d) cleanup methods, and
 - e) if required for the project, tentatively identified compounds (TICs).
- R4 Surrogate recovery data including:
 - a) Calculated recovery (%R), and
 - b) The laboratory's surrogate QC limits.
- R5 Test reports/summary forms for blank samples;
- R6 Test reports/summary forms for laboratory control samples (LCSs) including:
 - a) LCS spiking amounts,
 - b) Calculated %R for each analyte, and
 - c) The laboratory's LCS QC limits.
- R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
 - a) Samples associated with the MS/MSD clearly identified,
 - b) MS/MSD spiking amounts,
 - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
 - d) Calculated %Rs and relative percent differences (RPDs), and
 - e) The laboratory's MS/MSD QC limits
- R8 Laboratory analytical duplicate (if applicable) recovery and precision:
 - a) the amount of analyte measured in the duplicate,
 - b) the calculated RPD, and
 - c) the laboratory's QC limits for analytical duplicates.
- R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- R10 Other problems or anomalies.
- The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Ron Martino



Lab Director

12/28/2007

Name (Printed)

Signature

Official Title (printed)

Date

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: Accutest Laboratories Gulf Coast	LRC Date: 12/28/2007							
Project Name: Falcon Refinery Superfund Site	Laboratory Job Number: T19944							
Reviewer Name: Ron Martino	Prep Batch Number(s):							
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵	
R1	OI	Chain-of-custody (C-O-C)						
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X					
R2	OI	Sample and quality control (QC) identification						
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X					
R3	OI	Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X					
		Test reports						
R4	O	Were all samples prepared and analyzed within holding times?	X					
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X					
		Were calculations checked by a peer or supervisor?	X					
		Were all analyte identifications checked by a peer or supervisor?	X					
		Were sample quantitation limits reported for all analytes not detected?	X					
		Were all results for soil and sediment samples reported on a dry weight basis?	X					
		Were % moisture (or solids) reported for all soil and sediment samples?	X					
If required for the project, TICs reported?						X		
R5	OI	Surrogate recovery data						
		Were surrogates added prior to extraction?	X					
R6	OI	Were surrogate percent recoveries in all samples within the laboratory QC limits?	X					
		Test reports/summary forms for blank samples						
R7	OI	Were appropriate type(s) of blanks analyzed?	X					
		Were blanks analyzed at the appropriate frequency?	X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X					
		Were blank concentrations < MQL?	X					
R8	OI	Laboratory control samples (LCS):						
		Were all COCs included in the LCS?	X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X					
		Were LCSs analyzed at the required frequency?	X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			1	
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X					
Was the LCSD RPD within QC limits?					X			
R9	OI	Matrix spike (MS) and matrix spike duplicate (MSD) data						
		Were the project/method specified analytes included in the MS and MSD?	X					
		Were MS/MSD analyzed at the appropriate frequency?	X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1	
Were MS/MSD RPDs within laboratory QC limits?	X				1			
R10	OI	Analytical duplicate data						
		Were appropriate analytical duplicates analyzed for each matrix?	X					
		Were analytical duplicates analyzed at the appropriate frequency?	X					
Were RPDs or relative standard deviations within the laboratory QC limits?		X			1			
R11	OI	Method quantitation limits (MQLs):						
		Are the MQLs for each method analyte included in the laboratory data package?	X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X					
Are unadjusted MQLs included in the laboratory data package?	X							
R12	OI	Other problems/anomalies						
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X					
		Were all necessary corrective actions performed for the reported data?	X					
Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	X							

2. = organic analyses; I = inorganic analyses (and general chemistry, when applicable);

3. NA = Not applicable;

4. NR = Not reviewed;

5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: Accutest Laboratories Gulf Coast	LRC Date: 12/28/2007						
Project Name: Falcon Refinery Superfund Site	Laboratory Job Number: T19944						
Reviewer Name: Ron Martino	Prep Batch Number(s):						
# ¹	A ²	Description	Yes	No	NA ³	NR ⁴	ER# ⁵
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (CCV and CCV) and continuing calibration					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning:					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	Internal standards (IS):					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?	X				
S7	O	Tentatively identified compounds (TICs):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?	X				
S8	I	Interference Check Sample (ICS) results:					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				1
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports:					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S16	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs):					
		Are laboratory SOPs current and on file for each method performed?	X				

- 1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
 2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
 3 NA = Not applicable.
 4 NR = Not Reviewed.
 5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports

Laboratory Name: Accutest Laboratories Gulf Coast	LRC Date: 12/28/2007
Project Name: Falcon Refinery Superfund Site	Laboratory Job Number: T19944
Reviewer Name: Ron Martino	Prep Batch Number(s):
ER # ⁴	DESCRIPTION
1	All anomalies are discussed in the case narrative.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)



IT'S ALL IN THE CHEMISTRY

GC/MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Page 1 of 2

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM45-MB	M0001069.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	7.2	ug/kg	
71-43-2	Benzene	ND	5.0	1.4	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.4	ug/kg	
75-25-2	Bromoform	ND	5.0	1.2	ug/kg	
71-36-3	n-Butyl Alcohol	ND	50	50	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	0.97	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.4	ug/kg	
75-00-3	Chloroethane	ND	5.0	1.4	ug/kg	
67-66-3	Chloroform	ND	5.0	1.3	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.2	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.1	ug/kg	
75-15-0	Carbon disulfide	ND	10	1.3	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/kg	
110-82-7	Cyclohexane	ND	5.0	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.3	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.3	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.5	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.4	ug/kg	
123-91-1	1,4-Dioxane	ND	250	24	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.1	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.4	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.4	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.3	ug/kg	
60-29-7	Ethyl Ether	ND	5.0	5.0	ug/kg	
110-54-3	Hexane	ND	5.0	1.1	ug/kg	

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Method Blank Summary

Page 2 of 2

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM45-MB	M0001069.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	50	6.8	ug/kg	
87-68-3	Hexachlorobutadiene	ND	5.0	1.2	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	1.2	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	50	7.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	1.5	ug/kg	
74-87-3	Methyl chloride	ND	5.0	1.5	ug/kg	
74-95-3	Methylene bromide	ND	5.0	2.0	ug/kg	
75-09-2	Methylene chloride	ND	10	2.5	ug/kg	
78-93-3	Methyl ethyl ketone	ND	50	6.7	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/kg	
100-42-5	Styrene	ND	5.0	1.3	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.4	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.2	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.3	ug/kg	
108-88-3	Toluene	ND	5.0	1.3	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.3	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	1.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.4	ug/kg	
108-05-4	Vinyl Acetate	ND	25	7.6	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.8	ug/kg	

CAS No. Surrogate Recoveries Limits

1868-53-7	Dibromofluoromethane	114%	68-127%
2037-26-5	Toluene-D8	120%	76-139%
460-00-4	4-Bromofluorobenzene	118%	68-167%
17060-07-0	1,2-Dichloroethane-D4	103%	56-121%

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Method Blank Summary

Page 1 of 3

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-MB	F0088659.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	2.6	ug/l	
71-43-2	Benzene	ND	2.0	0.46	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.42	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.49	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.42	ug/l	
75-25-2	Bromoform	ND	2.0	1.4	ug/l	
71-36-3	n-Butyl Alcohol	ND	20	20	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.55	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.83	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.42	ug/l	
75-00-3	Chloroethane	ND	2.0	0.39	ug/l	
67-66-3	Chloroform	ND	2.0	0.54	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.38	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.50	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.51	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.45	ug/l	
110-82-7	Cyclohexane	ND	2.0	0.53	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.41	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.48	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	1.1	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.47	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.53	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	0.41	ug/l	
123-91-1	1,4-Dioxane	ND	50	130	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.58	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.46	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.53	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.43	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.53	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.46	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.36	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.45	ug/l	
60-29-7	Ethyl Ether	ND	2.0	2.0	ug/l	
110-54-3	hexane	ND	2.0	0.61	ug/l	

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Method Blank Summary

Page 2 of 3

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-MB	F0088659.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	10	2.4	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	1.2	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.41	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.40	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	2.5	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.54	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.42	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.41	ug/l	
75-09-2	Methylene chloride ^a	0.85	5.0	0.41	ug/l	J
78-93-3	Methyl ethyl ketone	ND	10	2.5	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.51	ug/l	
100-42-5	Styrene	ND	2.0	0.35	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.37	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.47	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.42	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.44	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	0.43	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.69	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.46	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.44	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	0.48	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.47	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.47	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.42	ug/l	
108-05-4	Vinyl Acetate	ND	10	2.3	ug/l	
1330-20-7	Xylene (total)	ND	6.0		ug/l	

CAS No. Surrogate Recoveries Limits

1868-53-7	Dibromofluoromethane	98%	76-125%
17060-07-0	1,2-Dichloroethane-D4	102%	69-128%
2037-26-5	Toluene-D8	102%	80-121%
460-00-4	4-Bromofluorobenzene	114%	69-142%

Method Blank Summary

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Job Number: T19944
Account: KLETXAU KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-MB	F0088659.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method:

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

(a) Suspected laboratory contaminant.

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Blank Spike Summary

Page 1 of 3

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-BS	F0088656.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	124	99	46-148
71-43-2	Benzene	25	27.2	109	73-121
108-86-1	Bromobenzene	25	24.5	98	72-116
74-97-5	Bromochloromethane	25	23.1	92	67-118
75-27-4	Bromodichloromethane	25	23.5	94	69-119
75-25-2	Bromoform	25	23.8	95	58-117
71-36-3	n-Butyl Alcohol	250	262	105	50-150 ^a
104-51-8	n-Butylbenzene	25	27.5	110	67-126
98-06-6	tert-Butylbenzene	25	27.9	112	70-124
108-90-7	Chlorobenzene	25	25.4	102	76-113
75-00-3	Chloroethane	25	31.7	127	68-138
67-66-3	Chloroform	25	26.6	106	71-118
95-49-8	o-Chlorotoluene	25	26.5	106	72-120
106-43-4	p-Chlorotoluene	25	26.1	104	72-120
75-15-0	Carbon disulfide	25	28.1	112	52-132
56-23-5	Carbon tetrachloride	25	26.8	107	71-132
110-82-7	Cyclohexane	25	29.7	119	71-134
75-34-3	1,1-Dichloroethane	25	28.5	114	71-123
75-35-4	1,1-Dichloroethylene	25	28.1	112	65-132
563-58-6	1,1-Dichloropropene	25	27.7	111	75-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.0	100	40-137
106-93-4	1,2-Dibromoethane	25	24.0	96	68-117
107-06-2	1,2-Dichloroethane	25	24.4	98	66-122
78-87-5	1,2-Dichloropropane	25	25.7	103	71-119
142-28-9	1,3-Dichloropropane	25	25.4	102	69-117
123-91-1	1,4-Dioxane	500	365	73	35-154
594-20-7	2,2-Dichloropropane	25	26.6	106	61-137
124-48-1	Dibromochloromethane	25	23.7	95	68-116
75-71-8	Dichlorodifluoromethane	25	40.6	162	34-165
156-59-2	cis-1,2-Dichloroethylene	25	22.6	90	70-117
10061-01-5	cis-1,3-Dichloropropene	25	25.0	100	69-122
156-60-5	trans-1,2-Dichloroethylene	25	27.8	111	71-127
10061-02-6	trans-1,3-Dichloropropene	25	27.2	109	70-127
100-41-4	Ethylbenzene	25	26.4	106	75-117
60-29-7	Ethyl Ether	25	19.1	76	50-150 ^a
110-54-3	hexane	25	31.7	127	56-139

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Blank Spike Summary

Page 2 of 3

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-BS	F0088656.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
591-78-6	2-Hexanone	125	134	107	42-137
87-68-3	Hexachlorobutadiene	25	26.7	107	60-135
98-82-8	Isopropylbenzene	25	28.1	112	72-129
99-87-6	p-Isopropyltoluene	25	27.4	110	73-123
108-10-1	4-Methyl-2-pentanone	125	134	107	53-134
74-83-9	Methyl bromide	25	28.4	114	58-133
74-87-3	Methyl chloride	25	31.7	127	55-143
74-95-3	Methylene bromide	25	24.7	99	66-121
75-09-2	Methylene chloride	25	26.4	106	60-124
78-93-3	Methyl ethyl ketone	125	133	106	49-135
103-65-1	n-Propylbenzene	25	27.1	108	72-124
100-42-5	Styrene	25	23.1	92	67-114
630-20-6	1,1,1,2-Tetrachloroethane	25	24.7	99	73-113
71-55-6	1,1,1-Trichloroethane	25	26.3	105	71-128
79-34-5	1,1,2,2-Tetrachloroethane	25	27.0	108	62-124
79-00-5	1,1,2-Trichloroethane	25	25.0	100	68-117
87-61-6	1,2,3-Trichlorobenzene	25	22.5	90	39-144
96-18-4	1,2,3-Trichloropropane	25	24.0	96	59-121
120-82-1	1,2,4-Trichlorobenzene	25	22.7	91	49-129
95-63-6	1,2,4-Trimethylbenzene	25	26.5	106	73-119
108-67-8	1,3,5-Trimethylbenzene	25	27.1	108	72-122
127-18-4	Tetrachloroethylene	25	25.1	100	74-123
108-88-3	Toluene	25	26.6	106	75-119
79-01-6	Trichloroethylene	25	25.4	102	72-123
75-69-4	Trichlorofluoromethane	25	27.1	108	53-161
75-01-4	Vinyl chloride	25	28.9	116	62-150
108-05-4	Vinyl Acetate	125	168	134	21-150
1330-20-7	Xylene (total)	75	79.1	105	75-118

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	76-125%
17060-07-0	1,2-Dichloroethane-D4	108%	69-128%
2037-26-5	Toluene-D8	101%	80-121%
460-00-4	4-Bromofluorobenzene	105%	69-142%

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Blank Spike Summary

Page 3 of 3

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VF2797-BS	F0088656.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

(a) Advisory control limits.

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Blank Spike Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM45-BS	M0001067.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	231	92	58-157
71-43-2	Benzene	50	41.4	83	74-121
108-86-1	Bromobenzene	50	44.8	90	74-123
74-97-5	Bromochloromethane	50	42.3	85	76-120
75-27-4	Bromodichloromethane	50	41.5	83	77-120
75-25-2	Bromoform	50	45.0	90	76-124
71-36-3	n-Butyl Alcohol	500	429	86	50-150 ^a
104-51-8	n-Butylbenzene	50	43.1	86	70-137
98-06-6	tert-Butylbenzene	50	41.0	82	71-127
108-90-7	Chlorobenzene	50	42.2	84	79-119
75-00-3	Chloroethane	50	43.0	86	56-139
67-66-3	Chloroform	50	41.5	83	74-119
95-49-8	o-Chlorotoluene	50	44.5	89	70-126
106-43-4	p-Chlorotoluene	50	45.0	90	73-126
75-15-0	Carbon disulfide	50	37.0	74	42-137
56-23-5	Carbon tetrachloride	50	37.7	75	63-129
110-82-7	Cyclohexane	50	31.6	63	56-137
75-34-3	1,1-Dichloroethane	50	41.5	83	71-123
75-35-4	1,1-Dichloroethylene	50	38.9	78	57-132
563-58-6	1,1-Dichloropropene	50	37.5	75	69-131
96-12-8	1,2-Dibromo-3-chloropropane	50	45.3	91	56-148
106-93-4	1,2-Dibromoethane	50	44.9	90	81-119
107-06-2	1,2-Dichloroethane	50	41.6	83	75-122
78-87-5	1,2-Dichloropropane	50	42.4	85	75-121
142-28-9	1,3-Dichloropropane	50	43.7	87	76-121
123-91-1	1,4-Dioxane	1000	909	91	59-155
594-20-7	2,2-Dichloropropane	50	39.8	80	64-134
124-48-1	Dibromochloromethane	50	44.4	89	81-119
75-71-8	Dichlorodifluoromethane	50	28.4	57	20-170
156-59-2	cis-1,2-Dichloroethylene	50	39.2	78	74-119
10061-01-5	cis-1,3-Dichloropropene	50	46.7	93	80-126
156-60-5	trans-1,2-Dichloroethylene	50	38.9	78	69-129
10061-02-6	trans-1,3-Dichloropropene	50	45.9	92	82-136
100-41-4	Ethylbenzene	50	41.3	83	75-122
60-29-7	Ethyl Ether	50	39.0	78	50-150 ^a
110-54-3	Hexane	50	30.2	60	50-142

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Blank Spike Summary

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Job Number: T19944
Account: KLETXAU KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM45-BS	M0001067.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
591-78-6	2-Hexanone	250	228	91	49-155
87-68-3	Hexachlorobutadiene	50	43.6	87	61-139
98-82-8	Isopropylbenzene	50	44.2	88	71-134
99-87-6	p-Isopropyltoluene	50	43.6	87	73-130
108-10-1	4-Methyl-2-pentanone	250	230	92	65-145
74-83-9	Methyl bromide	50	43.0	86	45-137
74-87-3	Methyl chloride	50	40.7	81	43-144
74-95-3	Methylene bromide	50	45.2	90	79-121
75-09-2	Methylene chloride	50	39.4	79	66-130
78-93-3	Methyl ethyl ketone	250	227	91	69-137
103-65-1	n-Propylbenzene	50	43.1	86	69-129
100-42-5	Styrene	50	39.4	79	72-122
630-20-6	1,1,1,2-Tetrachloroethane	50	41.9	84	79-117
71-55-6	1,1,1-Trichloroethane	50	39.3	79	63-131
79-34-5	1,1,2,2-Tetrachloroethane	50	47.1	94	67-135
79-00-5	1,1,2-Trichloroethane	50	43.4	87	76-120
87-61-6	1,2,3-Trichlorobenzene	50	47.3	95	58-149
96-18-4	1,2,3-Trichloropropane	50	41.2	82	72-125
120-82-1	1,2,4-Trichlorobenzene	50	48.1	96	60-147
95-63-6	1,2,4-Trimethylbenzene	50	43.7	87	74-126
108-67-8	1,3,5-Trimethylbenzene	50	44.5	89	72-126
127-18-4	Tetrachloroethylene	50	40.0	80	68-127
108-88-3	Toluene	50	40.2	80	74-122
79-01-6	Trichloroethylene	50	39.7	79	72-122
75-69-4	Trichlorofluoromethane	50	37.3	75	51-145
75-01-4	Vinyl chloride	50	39.3	79	40-149
108-05-4	Vinyl Acetate	250	273	109	52-181
1330-20-7	Xylene (total)	150	125	83	76-123

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	115%	68-127%
2037-26-5	Toluene-D8	118%	76-139%
460-00-4	4-Bromofluorobenzene	119%	68-167%
17060-07-0	1,2-Dichloroethane-D4	105%	56-121%

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Blank Spike Summary

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Job Number: T19944
Account: KLETXAU KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM45-BS	M0001067.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

(a) Advisory control limits.

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Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-14MS	F0088675.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14MSD	F0088676.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14	F0088669.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

CAS No.	Compound	T19944-14 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	6.5	J	125	122	92	108	81	12	31-152/36
71-43-2	Benzene	2.0 U		25	26.5	106	25.6	102	3	74-125/18
108-86-1	Bromobenzene	2.0 U		25	23.8	95	23.1	92	3	74-115/22
74-97-5	Bromochloromethane	2.0 U		25	22.2	89	21.6	86	3	67-120/25
75-27-4	Bromodichloromethane	2.0 U		25	23.0	92	21.7	87	6	67-124/22
75-25-2	Bromoform	2.0 U		25	21.6	86	20.3	81	6	55-119/28
71-36-3	n-Butyl Alcohol	20 U		250	250	100	240	96	4	50-150/30 ^a
104-51-8	n-Butylbenzene	2.0 U		25	24.9	100	25.0	100	0	61-132/21
98-06-6	tert-Butylbenzene	2.0 U		25	26.8	107	26.4	106	2	70-124/27
108-90-7	Chlorobenzene	2.0 U		25	24.8	99	23.8	95	4	82-112/20
75-00-3	Chloroethane	2.0 U		25	32.9	132	30.2	121	9	67-144/27
67-66-3	Chloroform	2.0 U		25	25.6	102	24.4	98	5	72-123/20
95-49-8	o-Chlorotoluene	2.0 U		25	26.0	104	25.6	102	2	74-121/20
106-43-4	p-Chlorotoluene	2.0 U		25	25.7	103	24.9	100	3	74-119/22
75-15-0	Carbon disulfide	2.0 U		25	27.1	108	26.0	104	4	48-138/23
56-23-5	Carbon tetrachloride	2.0 U		25	25.6	102	24.7	99	4	70-136/23
110-82-7	Cyclohexane	2.0 U		25	28.3	113	27.3	109	4	68-139/22
75-34-3	1,1-Dichloroethane	2.0 U		25	27.7	111	26.5	106	4	73-128/21
75-35-4	1,1-Dichloroethylene	2.0 U		25	26.7	107	25.9	104	3	60-138/24
563-58-6	1,1-Dichloropropene	2.0 U		25	26.3	105	25.4	102	3	76-133/22
96-12-8	1,2-Dibromo-3-chloropropane	2.0 U		25	20.0	80	21.1	84	5	23-150/36
106-93-4	1,2-Dibromoethane	2.0 U		25	23.3	93	22.5	90	3	68-117/26
107-06-2	1,2-Dichloroethane	2.0 U		25	24.1	96	22.8	91	6	66-129/22
78-87-5	1,2-Dichloropropane	2.0 U		25	25.2	101	24.4	98	3	73-122/22
142-28-9	1,3-Dichloropropane	2.0 U		25	24.9	100	24.4	98	2	69-121/25
123-91-1	1,4-Dioxane	250 U		500	308	62	334	67	8	19-152/37
594-20-7	2,2-Dichloropropane	2.0 U		25	23.6	94	22.0	88	7	50-145/29
124-48-1	Dibromochloromethane	2.0 U		25	22.7	91	21.8	87	4	68-117/24
75-71-8	Dichlorodifluoromethane	2.0 U		25	42.2	169	41.9	168	1	14-184/30
156-59-2	cis-1,2-Dichloroethylene	2.0 U		25	22.7	91	21.8	87	4	72-120/23
10061-01-5	cis-1,3-Dichloropropene	2.0 U		25	23.5	94	22.8	91	3	62-126/23
156-60-5	trans-1,2-Dichloroethylene	2.0 U		25	26.8	107	25.7	103	4	72-130/23
10061-02-6	trans-1,3-Dichloropropene	2.0 U		25	25.4	102	24.7	99	3	62-131/24
100-41-4	Ethylbenzene	2.0 U		25	25.7	103	24.8	99	4	77-119/20
60-29-7	Ethyl Ether	2.0 U		25	28.9	116	28.8	115	0	50-150/30 ^a
110-54-3	hexane	2.0 U		25	27.4	110	26.5	106	3	53-137/23

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-14MS	F0088675.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14MSD	F0088676.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14	F0088669.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

CAS No.	Compound	T19944-14 ug/l	Spike Q ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	10 U	125	131	105	125	100	5	23-154/40
87-68-3	Hexachlorobutadiene	2.0 U	25	21.6	86	23.0	92	6	51-130/31
98-82-8	Isopropylbenzene	2.0 U	25	27.5	110	26.6	106	3	72-130/24
99-87-6	p-Isopropyltoluene	2.0 U	25	25.6	102	25.3	101	1	73-121/22
108-10-1	4-Methyl-2-pentanone	10 U	125	131	105	123	98	6	41-147/30
74-83-9	Methyl bromide	2.0 U	25	27.9	112	25.5	102	9	58-134/25
74-87-3	Methyl chloride	2.0 U	25	32.3	129	25.9	104	22	47-151/27
74-95-3	Methylene bromide	2.0 U	25	24.0	96	24.1	96	0	68-124/25
75-09-2	Methylene chloride	5.0 U	25	25.5	102	24.1	96	6	52-125/24
78-93-3	Methyl ethyl ketone	10 U	125	122	98	115	92	6	42-142/39
103-65-1	n-Propylbenzene	2.0 U	25	26.4	106	25.8	103	2	72-124/23
100-42-5	Styrene	2.0 U	25	22.3	89	21.1	84	6	68-115/26
630-20-6	1,1,1,2-Tetrachloroethane	2.0 U	25	23.8	95	22.9	92	4	77-113/21
71-55-6	1,1,1-Trichloroethane	2.0 U	25	25.0	100	24.2	97	3	72-134/22
79-34-5	1,1,2,2-Tetrachloroethane	2.0 U	25	26.8	107	25.9	104	3	55-132/34
79-00-5	1,1,2-Trichloroethane	2.0 U	25	24.5	98	24.0	96	2	66-121/26
87-61-6	1,2,3-Trichlorobenzene	2.0 U	25	15.7	63	20.0	80	24	23-142/41
96-18-4	1,2,3-Trichloropropane	2.0 U	25	24.1	96	22.4	90	7	52-128/27
120-82-1	1,2,4-Trichlorobenzene	2.0 U	25	18.6	74	20.0	80	7	34-134/30
95-63-6	1,2,4-Trimethylbenzene	2.0 U	25	25.3	101	24.7	99	2	73-120/20
108-67-8	1,3,5-Trimethylbenzene	2.0 U	25	26.2	105	25.5	102	3	72-121/23
127-18-4	Tetrachloroethylene	2.0 U	25	23.6	94	22.8	91	3	75-122/23
108-88-3	Toluene	2.0 U	25	26.1	104	25.4	102	3	79-119/21
79-01-6	Trichloroethylene	2.0 U	25	24.4	98	23.3	93	5	75-124/21
75-69-4	Trichlorofluoromethane	2.0 U	25	29.6	118	28.5	114	4	46-162/27
75-01-4	Vinyl chloride	2.0 U	25	29.3	117	25.8	103	13	58-150/29
108-05-4	Vinyl Acetate	10 U	125	139	111	132	106	5	10-160/34
1330-20-7	Xylene (total)	6.0 U	75	76.8	102	74.7	100	3	78-119/20

CAS No.	Surrogate Recoveries	MS	MSD	T19944-14	Limits
1868-53-7	Dibromofluoromethane	98%	98%	99%	76-125%
17060-07-0	1,2-Dichloroethane-D4	104%	104%	102%	69-128%
2037-26-5	Toluene-D8	103%	104%	104%	80-121%
460-00-4	4-Bromofluorobenzene	105%	106%	114%	69-142%

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-14MS	F0088675.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14MSD	F0088676.D	1	12/09/07	ZLH	n/a	n/a	VF2797
T19944-14	F0088669.D	1	12/09/07	ZLH	n/a	n/a	VF2797

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-3, T19944-7, T19944-14, T19944-15, T19944-16

(a) Advisory control limits.

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-1MS	M0001088.D 1		12/09/07	ZLH	n/a	n/a	VM45
T19944-1MSD	M0001089.D 1		12/09/07	ZLH	n/a	n/a	VM45
T19944-1	M0001077.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	T19944-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	88 U	440	394	90	347	82	13	28-156/37
71-43-2	Benzene	8.8 U	88	73.4	83	85.1	100	15	52-121/25
108-86-1	Bromobenzene	8.8 U	88	83.9	95	91.4	107	9	48-127/28
74-97-5	Bromochloromethane	8.8 U	88	110	125*	110	129*	0	53-122/25
75-27-4	Bromodichloromethane	8.8 U	88	19.0	22*	38.4	45*	68*	48-126/26
75-25-2	Bromoform	8.8 U	88	7.0	8*	25.8	30*	115*	50-123/28
71-36-3	n-Butyl Alcohol	88 U	880	583	66	414	49*	34*	50-150/30 ^a
104-51-8	n-Butylbenzene	8.8 U	88	69.7	79	65.8	77	6	29-142/28
98-06-6	tert-Butylbenzene	8.8 U	88	88.2	100	77.7	91	13	39-132/27
108-90-7	Chlorobenzene	8.8 U	88	74.5	85	83.5	98	11	51-123/23
75-00-3	Chloroethane	8.8 U	88	89.6	102	107	126	18	32-137/26
67-66-3	Chloroform	8.8 U	88	79.7	91	87.9	103	10	51-122/20
95-49-8	o-Chlorotoluene	8.8 U	88	76.5	87	93.3	110	20	42-132/24
106-43-4	p-Chlorotoluene	8.8 U	88	88.0	100	87.7	103	0	41-131/24
75-15-0	Carbon disulfide	18 U	88	37.5	43	28.6	34	27	23-130/27
56-23-5	Carbon tetrachloride	8.8 U	88	66.0	75	84.5	99	25	34-129/30
110-82-7	Cyclohexane	8.8 U	88	84.1	96	97.5	115	15	29-136/25
75-34-3	1,1-Dichloroethane	8.8 U	88	75.5	86	87.4	103	15	47-125/35
75-35-4	1,1-Dichloroethylene	8.8 U	88	74.0	84	86.5	102	16	33-133/36
563-58-6	1,1-Dichloropropene	8.8 U	88	75.9	86	88.0	104	15	42-131/33
96-12-8	1,2-Dibromo-3-chloropropane	8.8 U	88	75.5	86	83.1	98	10	26-153/37
106-93-4	1,2-Dibromoethane	8.8 U	88	76.2	87	78.5	92	3	57-123/27
107-06-2	1,2-Dichloroethane	8.8 U	88	73.3	83	79.9	94	9	52-126/28
78-87-5	1,2-Dichloropropane	8.8 U	88	72.9	83	84.5	99	15	54-122/27
142-28-9	1,3-Dichloropropane	8.8 U	88	80.9	92	85.5	101	6	55-123/27
123-91-1	1,4-Dioxane	440 U	1760	2640	150	2530	149	4	28-160/37
594-20-7	2,2-Dichloropropane	8.8 U	88	77.0	87	87.4	103	13	36-132/32
124-48-1	Dibromochloromethane	8.8 U	88	11.3	13*	32.4	38*	97*	55-122/24
75-71-8	Dichlorodifluoromethane	8.8 U	88	82.6	94	94.1	111	13	25-134/34
156-59-2	cis-1,2-Dichloroethylene	8.8 U	88	75.2	85	88.8	104	17	53-118/22
10061-01-5	cis-1,3-Dichloropropene	8.8 U	88	42.6	48	47.3	56	10	46-130/18
156-60-5	trans-1,2-Dichloroethylene	8.8 U	88	74.0	84	86.5	102	16	46-128/27
10061-02-6	trans-1,3-Dichloropropene	8.8 U	88	45.5	52	49.6	58	9	51-139/26
100-41-4	Ethylbenzene	8.8 U	88	75.2	85	85.0	100	12	44-125/25
60-29-7	Ethyl Ether	8.8 U	88	123	140	71.9	85	52*	50-150/30 ^a
110-54-3	Hexane	8.8 U	88	98.4	112	111	131	12	21-137/25

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-1MS	M0001088.D 1		12/09/07	ZLH	n/a	n/a	VM45
T19944-1MSD	M0001089.D 1		12/09/07	ZLH	n/a	n/a	VM45
T19944-1	M0001077.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	T19944-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
591-78-6	2-Hexanone	88 U	440	301	68	190	45	45*	31-141/33
87-68-3	Hexachlorobutadiene	8.8 U	88	52.8	60	56.7	67	7	13-143/33
98-82-8	Isopropylbenzene	8.8 U	88	95.9	109	102	120	6	42-139/25
99-87-6	p-Isopropyltoluene	8.8 U	88	64.9	74	14.0	16*	129*	38-132/25
108-10-1	4-Methyl-2-pentanone	88 U	440	353	80	340	80	4	41-141/33
74-83-9	Methyl bromide	8.8 U	88	55.2	63	40.3	47	31*	20-132/30
74-87-3	Methyl chloride	8.8 U	88	82.5	94	94.6	111	14	28-139/32
74-95-3	Methylene bromide	8.8 U	88	124	141*	124	146*	0	54-125/22
75-09-2	Methylene chloride	18 U	88	94.2	107	97.8	115	4	39-135/28
78-93-3	Methyl ethyl ketone	88 U	440	332	75	313	74	6	41-134/30
103-65-1	n-Propylbenzene	8.8 U	88	84.4	96	92.7	109	9	37-135/27
100-42-5	Styrene	8.8 U	88	58.4	66	62.7	74	7	41-126/23
630-20-6	1,1,1,2-Tetrachloroethane	8.8 U	88	46.6	53	64.0	75	31	53-122/36
71-55-6	1,1,1-Trichloroethane	8.8 U	88	78.1	89	90.7	107	15	41-127/36
79-34-5	1,1,2,2-Tetrachloroethane	8.8 U	88	94.9	108	98.3	116	4	43-141/34
79-00-5	1,1,2-Trichloroethane	8.8 U	88	97.5	111	97.7	115	0	56-123/28
87-61-6	1,2,3-Trichlorobenzene	8.8 U	88	47.5	54	50.2	59	6	12-151/31
96-18-4	1,2,3-Trichloropropane	8.8 U	88	92.0	105	96.8	114	5	45-137/33
120-82-1	1,2,4-Trichlorobenzene	8.8 U	88	52.3	59	56.7	67	8	13-148/39
95-63-6	1,2,4-Trimethylbenzene	8.8 U	88	77.9	88	83.9	99	7	39-131/37
108-67-8	1,3,5-Trimethylbenzene	8.8 U	88	83.4	95	92.2	108	10	39-132/35
127-18-4	Tetrachloroethylene	8.8 U	88	79.9	91	91.7	108	14	41-127/25
108-88-3	Toluene	8.8 U	88	76.7	87	86.0	101	11	48-126/23
79-01-6	Trichloroethylene	8.8 U	88	75.0	85	86.5	102	14	43-127/24
75-69-4	Trichlorofluoromethane	8.8 U	88	97.6	111	110	129	12	28-143/27
75-01-4	Vinyl chloride	8.8 U	88	86.8	99	100	118	14	32-138/30
108-05-4	Vinyl Acetate	44 U	440	ND	0*	ND	0*	nc	18-163/39
1330-20-7	Xylene (total)	26 U	264	222	84	246	96	10	43-128/22

CAS No.	Surrogate Recoveries	MS	MSD	T19944-1	Limits
1868-53-7	Dibromofluoromethane	109%	109%	107%	68-127%
2037-26-5	Toluene-D8	125%	123%	125%	76-139%
460-00-4	4-Bromofluorobenzene	132%	127%	127%	68-167%
17060-07-0	1,2-Dichloroethane-D4	98%	97%	97%	56-121%

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
T19944-1MS	M0001088.D 1		12/09/07	ZLH	n/a	n/a	VM45
T19944-1MSD	M0001089.D 1		12/09/07	ZLH	n/a	n/a	VM45
T19944-1	M0001077.D 1		12/09/07	ZLH	n/a	n/a	VM45

The QC reported here applies to the following samples:

Method: SW846 8260B

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

(a) Advisory control limits.

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IT'S ALL IN THE CHEMISTRY

GC/MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-MB	H24610.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

CAS No.	Compound	Result	RL	MDL	Units	Q
108-98-5	Benzenethiol	ND	10	10	ug/l	
65-85-0	Benzoic Acid	ND	10	0.58	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	1.4	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.2	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	2.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	3.9	ug/l	
95-48-7	2-Methylphenol	ND	5.0	1.2	ug/l	
	3&4-Methylphenol	ND	5.0	1.1	ug/l	
100-02-7	4-Nitrophenol	ND	25	1.7	ug/l	
87-86-5	Pentachlorophenol	ND	25	4.0	ug/l	
108-95-2	Phenol	ND	5.0	0.52	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.5	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.5	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.6	ug/l	
120-12-7	Anthracene	ND	5.0	1.8	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.4	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.6	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.5	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.5	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.6	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	2.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	1.7	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.9	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.2	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	1.6	ug/l	
86-74-8	Carbazole	ND	5.0	1.7	ug/l	
218-01-9	Chrysene	ND	5.0	1.3	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.6	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	1.2	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.5	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.6	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.5	ug/l	

Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-MB	H24610.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

CAS No.	Compound	Result	RL	MDL	Units	Q
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.4	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	1.7	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	3.7	ug/l	
57-97-6	7,12-Dimethylbenz(a)anthracene	ND	5.0	5.0	ug/l	
226-36-8	Dibenz(a,h)acridine	ND	5.0	1.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	1.3	ug/l	
132-64-9	Dibenzofuran	ND	5.0	2.3	ug/l	
122-39-4	Diphenylamine	ND	5.0	1.9	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	1.6	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	1.3	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	1.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	1.8	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	1.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.6	ug/l	
86-73-7	Fluorene	ND	5.0	2.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.9	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	1.4	ug/l	
67-72-1	Hexachloroethane	ND	5.0	1.7	ug/l	
95-13-6	Indene	ND	15	14	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.4	ug/l	
78-59-1	Isophorone	ND	5.0	1.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	5.0	1.7	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	2.0	ug/l	
	6-Methyl Chrysene	ND	5.0	5.0	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	2.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	2.7	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.5	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.4	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	1.7	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	1.9	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.6	ug/l	
129-00-0	Pyrene	ND	5.0	1.1	ug/l	
91-22-5	Quinoline	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-MB	H24610.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

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CAS No.	Compound	Result	RL	MDL	Units	Q
98-85-1	1-Phenylethanol	ND	5.0	5.0	ug/l	
931-17-9	1,2-Cyclohexanediol	ND	5.0	5.0	ug/l	
	1,3&1,4-Cyclohexanediol	ND	5.0	5.0	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	33% 10-66%
4165-62-2	Phenol-d5	25% 10-53%
118-79-6	2,4,6-Tribromophenol	62% 32-128%
4165-60-0	Nitrobenzene-d5	59% 29-115%
321-60-8	2-Fluorobiphenyl	57% 34-113%
1718-51-0	Terphenyl-d14	61% 12-145%

Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MB	H24654.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic acid	ND	830	42	ug/kg	
95-57-8	2-Chlorophenol	ND	170	51	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	56	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	110	ug/kg	
95-48-7	2-Methylphenol	ND	170	36	ug/kg	
	3&4-Methylphenol	ND	170	55	ug/kg	
100-02-7	4-Nitrophenol	ND	170	66	ug/kg	
87-86-5	Pentachlorophenol	ND	830	44	ug/kg	
108-95-2	Phenol	ND	170	67	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	47	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	45	ug/kg	
83-32-9	Acenaphthene	ND	170	40	ug/kg	
208-96-8	Acenaphthylene	ND	170	45	ug/kg	
120-12-7	Anthracene	ND	170	54	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	62	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	54	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	70	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	92	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	77	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	64	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	80	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	59	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	46	ug/kg	
106-47-8	4-Chloroaniline	ND	170	47	ug/kg	
86-74-8	Carbazole	ND	170	72	ug/kg	
218-01-9	Chrysene	ND	170	55	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	62	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	36	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	57	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	52	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	46	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	170	73	ug/kg	

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Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MB	H24654.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	Result	RL	MDL	Units	Q
606-20-2	2,6-Dinitrotoluene	ND	170	43	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	330	68	ug/kg	
53-70-3	Dibenz(a,h)anthracene	ND	170	58	ug/kg	
132-64-9	Dibenzofuran	ND	170	46	ug/kg	
122-39-4	Diphenylamine	ND	170	73	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	170	82	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	150	ug/kg	
84-66-2	Diethyl phthalate	ND	170	46	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	41	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	170	83	ug/kg	
206-44-0	Fluoranthene	ND	170	75	ug/kg	
86-73-7	Fluorene	ND	170	51	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	55	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	51	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	60	ug/kg	
67-72-1	Hexachloroethane	ND	170	49	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	65	ug/kg	
78-59-1	Isophorone	ND	170	44	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	40	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	44	ug/kg	
88-74-4	2-Nitroaniline	ND	170	43	ug/kg	
99-09-2	3-Nitroaniline	ND	170	62	ug/kg	
100-01-6	4-Nitroaniline	ND	170	91	ug/kg	
91-20-3	Naphthalene	ND	170	40	ug/kg	
98-95-3	Nitrobenzene	ND	170	47	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	73	ug/kg	
85-01-8	Phenanthrene	ND	170	62	ug/kg	
129-00-0	Pyrene	ND	170	81	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	44	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	65% 26-124%
4165-62-2	Phenol-d5	71% 19-106%

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Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MB	H24654.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Surrogate Recoveries	Limits
118-79-6	2,4,6-Tribromophenol	69% 18-129%
4165-60-0	Nitrobenzene-d5	73% 18-104%
321-60-8	2-Fluorobiphenyl	75% 21-114%
1718-51-0	Terphenyl-d14	65% 24-149%

CAS No.	Surrogate Recoveries	Limits
118-79-6	2,4,6-Tribromophenol	69% 18-129%
4165-60-0	Nitrobenzene-d5	73% 18-104%
321-60-8	2-Fluorobiphenyl	75% 21-114%
1718-51-0	Terphenyl-d14	65% 24-149%

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Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8629-MB	A24682.D	1	12/06/07	SC	12/05/07	OP8629	EA1536

The QC reported here applies to the following samples:

Method: SW846 8270C BY SIM

T19944-3, T19944-7, T19944-14

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CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	ND	0.20	0.055	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	0.099	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	0.056	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	0.046	ug/l	

CAS No. Surrogate Recoveries Limits

4165-60-0	Nitrobenzene-d5	57% ^a	35-114%
321-60-8	2-Fluorobiphenyl	47% ^a	43-116%
1718-51-0	Terphenyl-d14	55% ^a	33-141%

(a) Recovery was adjusted for 10x spiking.

Blank Spike Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-BS	H24611.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

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CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	50	18.6	37	10-51
95-57-8	2-Chlorophenol	50	39.4	79	47-87
59-50-7	4-Chloro-3-methyl phenol	50	41.2	82	43-109
120-83-2	2,4-Dichlorophenol	50	38.9	78	42-106
105-67-9	2,4-Dimethylphenol	50	33.4	67	37-100
51-28-5	2,4-Dinitrophenol	50	41.9	84	23-113
534-52-1	4,6-Dinitro-o-cresol	50	44.2	88	30-115
95-48-7	2-Methylphenol	50	31.1	62	31-95
	3&4-Methylphenol	100	56.9	57	38-78
100-02-7	4-Nitrophenol	50	22.9	46	13-52
87-86-5	Pentachlorophenol	50	55.8	112	42-129
108-95-2	Phenol	50	19.2	38	10-53
95-95-4	2,4,5-Trichlorophenol	50	41.1	82	40-116
88-06-2	2,4,6-Trichlorophenol	50	40.2	80	43-113
83-32-9	Acenaphthene	50	38.3	77	41-110
208-96-8	Acenaphthylene	50	46.1	92	50-123
120-12-7	Anthracene	50	40.4	81	64-107
56-55-3	Benzo(a)anthracene	50	44.1	88	57-112
50-32-8	Benzo(a)pyrene	50	43.5	87	50-120
205-99-2	Benzo(b)fluoranthene	50	40.1	80	43-119
191-24-2	Benzo(g,h,i)perylene	50	29.3	59	31-139
207-08-9	Benzo(k)fluoranthene	50	45.6	91	47-122
101-55-3	4-Bromophenyl phenyl ether	50	42.4	85	52-115
85-68-7	Butyl benzyl phthalate	50	44.0	88	38-132
100-51-6	Benzyl Alcohol	50	34.7	69	20-97
91-58-7	2-Chloronaphthalene	50	39.5	79	40-115
106-47-8	4-Chloroaniline	50	38.0	76	26-131
86-74-8	Carbazole	50	39.9	80	39-155
218-01-9	Chrysene	50	45.6	91	55-112
111-91-1	bis(2-Chloroethoxy)methane	50	39.0	78	45-108
111-44-4	bis(2-Chloroethyl)ether	50	39.2	78	41-107
7005-72-3	4-Chlorophenyl phenyl ether	50	44.4	89	47-118
95-50-1	1,2-Dichlorobenzene	50	36.4	73	36-98
541-73-1	1,3-Dichlorobenzene	50	37.2	74	37-94
106-46-7	1,4-Dichlorobenzene	50	37.0	74	38-95
121-14-2	2,4-Dinitrotoluene	50	45.6	91	46-125

Blank Spike Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-BS	H24611.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

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CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	50	40.7	81	54-118
91-94-1	3,3'-Dichlorobenzidine	50	71.9	144	62-153
53-70-3	Dibenzo(a,h)anthracene	50	37.4	75	37-136
132-64-9	Dibenzofuran	50	39.7	79	41-122
122-39-4	Diphenylamine	50	49.9	100	50-157
84-74-2	Di-n-butyl phthalate	50	44.1	88	50-120
117-84-0	Di-n-octyl phthalate	50	50.9	102	36-132
84-66-2	Diethyl phthalate	50	43.2	86	49-120
131-11-3	Dimethyl phthalate	50	42.7	85	53-119
117-81-7	bis(2-Ethylhexyl)phthalate	50	57.6	115	50-128
206-44-0	Fluoranthene	50	45.3	91	48-119
86-73-7	Fluorene	50	42.0	84	44-116
118-74-1	Hexachlorobenzene	50	42.0	84	53-117
87-68-3	Hexachlorobutadiene	50	37.5	75	27-100
77-47-4	Hexachlorocyclopentadiene	50	58.8	118*	10-108
67-72-1	Hexachloroethane	50	35.9	72	35-96
193-39-5	Indeno(1,2,3-cd)pyrene	50	30.7	61	34-135
78-59-1	Isophorone	50	41.0	82	49-110
90-12-0	1-Methylnaphthalene	50	35.6	71	40-99
91-57-6	2-Methylnaphthalene	50	36.4	73	38-108
88-74-4	2-Nitroaniline	50	43.8	88	46-122
99-09-2	3-Nitroaniline	50	48.3	97	42-156
100-01-6	4-Nitroaniline	50	86.3	173	60-218
91-20-3	Naphthalene	50	35.6	71	41-100
98-95-3	Nitrobenzene	50	42.3	85	47-107
621-64-7	N-Nitroso-di-n-propylamine	50	46.2	92	43-115
86-30-6	N-Nitrosodiphenylamine	50	49.9	100	50-157
85-01-8	Phenanthrene	50	41.1	82	55-112
129-00-0	Pyrene	50	33.6	67	43-126
120-82-1	1,2,4-Trichlorobenzene	50	37.3	75	35-104

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	53%	10-66%
4165-62-2	Phenol-d5	35%	10-53%

Blank Spike Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-BS	H24611.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

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CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	88%	32-128%
4165-60-0	Nitrobenzene-d5	85%	29-115%
321-60-8	2-Fluorobiphenyl	74%	34-113%
1718-51-0	Terphenyl-d14	72%	12-145%

Blank Spike Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-BS	H24655.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic acid	1670	988	59	16-113
95-57-8	2-Chlorophenol	1670	1230	74	48-112
59-50-7	4-Chloro-3-methyl phenol	1670	1320	79	55-115
120-83-2	2,4-Dichlorophenol	1670	1220	73	53-110
105-67-9	2,4-Dimethylphenol	1670	1130	68	41-105
51-28-5	2,4-Dinitrophenol	1670	1390	83	10-140
534-52-1	4,6-Dinitro-o-cresol	1670	1430	86	37-122
95-48-7	2-Methylphenol	1670	1180	71	47-112
	3&4-Methylphenol	3330	2350	71	47-115
100-02-7	4-Nitrophenol	1670	1440	86	22-130
87-86-5	Pentachlorophenol	1670	1850	111	47-135
108-95-2	Phenol	1670	1260	76	44-115
95-95-4	2,4,5-Trichlorophenol	1670	1250	75	47-123
88-06-2	2,4,6-Trichlorophenol	1670	1280	77	52-117
83-32-9	Acenaphthene	1670	1220	73	50-115
208-96-8	Acenaphthylene	1670	1480	89	59-127
120-12-7	Anthracene	1670	1260	76	58-117
56-55-3	Benzo(a)anthracene	1670	1320	79	62-114
50-32-8	Benzo(a)pyrene	1670	1320	79	59-117
205-99-2	Benzo(b)fluoranthene	1670	1190	71	51-123
191-24-2	Benzo(g,h,i)perylene	1670	1650	99	35-141
207-08-9	Benzo(k)fluoranthene	1670	1290	77	53-130
101-55-3	4-Bromophenyl phenyl ether	1670	1350	81	60-118
85-68-7	Butyl benzyl phthalate	1670	1390	83	56-126
100-51-6	Benzyl Alcohol	1670	1220	73	48-112
91-58-7	2-Chloronaphthalene	1670	1330	80	52-119
106-47-8	4-Chloroaniline	1670	1070	64	12-110
86-74-8	Carbazole	1670	1180	71	44-151
218-01-9	Chrysene	1670	1380	83	63-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1200	72	47-111
111-44-4	bis(2-Chloroethyl)ether	1670	1100	66	42-112
7005-72-3	4-Chlorophenyl phenyl ether	1670	1320	79	56-122
95-50-1	1,2-Dichlorobenzene	1670	1170	70	48-112
541-73-1	1,3-Dichlorobenzene	1670	1190	71	50-110
106-46-7	1,4-Dichlorobenzene	1670	1220	73	49-112
121-14-2	2,4-Dinitrotoluene	1670	1410	85	56-127

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Blank Spike Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-BS	H24655.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

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CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
606-20-2	2,6-Dinitrotoluene	1670	1330	80	61-121
91-94-1	3,3'-Dichlorobenzidine	1670	1660	100	33-182
53-70-3	Dibenz(a,h)anthracene	1670	1650	99	40-139
132-64-9	Dibenzofuran	1670	1210	73	56-120
122-39-4	Diphenylamine	1670	1390	83	62-147
84-74-2	Di-n-butyl phthalate	1670	1540	92	60-120
117-84-0	Di-n-octyl phthalate	1670	1480	89	41-142
84-66-2	Diethyl phthalate	1670	1310	79	60-126
131-11-3	Dimethyl phthalate	1670	1320	79	61-121
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1740	104	55-130
206-44-0	Fluoranthene	1670	1650	99	56-123
86-73-7	Fluorene	1670	1180	71	54-118
118-74-1	Hexachlorobenzene	1670	1310	79	61-117
87-68-3	Hexachlorobutadiene	1670	1280	77	45-114
77-47-4	Hexachlorocyclopentadiene	1670	2270	136	11-136
67-72-1	Hexachloroethane	1670	1190	71	47-118
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1360	82	37-136
78-59-1	Isophorone	1670	1270	76	51-115
90-12-0	1-Methylnaphthalene	1670	1140	68	50-106
91-57-6	2-Methylnaphthalene	1670	1200	72	49-114
88-74-4	2-Nitroaniline	1670	1390	83	52-126
99-09-2	3-Nitroaniline	1670	1470	88	35-151
100-01-6	4-Nitroaniline	1670	2490	149	65-180
91-20-3	Naphthalene	1670	1170	70	49-111
98-95-3	Nitrobenzene	1670	1290	77	47-117
621-64-7	N-Nitroso-di-n-propylamine	1670	1390	83	44-119
86-30-6	N-Nitrosodiphenylamine	1670	1390	83	63-147
85-01-8	Phenanthrene	1670	1300	78	60-117
129-00-0	Pyrene	1670	1040	62	53-124
120-82-1	1,2,4-Trichlorobenzene	1670	1260	76	52-116

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	74%	26-124%
4165-62-2	Phenol-d5	75%	19-106%

Blank Spike Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-BS	H24655.D	1	12/09/07	SC	12/07/07	OP8652	EH1386

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

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CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	86%	18-129%
4165-60-0	Nitrobenzene-d5	76%	18-104%
321-60-8	2-Fluorobiphenyl	75%	21-114%
1718-51-0	Terphenyl-d14	69%	24-149%

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-MS	H24621.D	1	12/06/07	SC	12/05/07	OP8628	EH1384
OP8628-MSD	H24622.D	1	12/06/07	SC	12/05/07	OP8628	EH1384
T19927-10	H24615.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

CAS No.	Compound	T19927-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	10 U	100	42.7	43	44.9	45	5	11-85/27	
95-57-8	2-Chlorophenol	5.0 U	100	63.1	63	62.0	62	2	36-100/16	
59-50-7	4-Chloro-3-methyl phenol	5.0 U	100	68.3	68	68.2	68	0	41-122/24	
120-83-2	2,4-Dichlorophenol	5.0 U	100	62.6	63	60.4	60	4	39-113/25	
105-67-9	2,4-Dimethylphenol	5.0 U	100	58.9	59	57.9	58	2	35-110/26	
51-28-5	2,4-Dinitrophenol	25 U	100	85.1	85	85.9	86	1	30-131/44	
534-52-1	4,6-Dinitro-o-cresol	10 U	100	99.0	99	101	101	2	29-126/24	
95-48-7	2-Methylphenol	5.0 U	100	57.2	57	56.3	56	2	31-105/31	
	3&4-Methylphenol	5.0 U	200	110	55	105	53	5	31-106/25	
100-02-7	4-Nitrophenol	25 U	100	65.8	66	69.7	70	6	21-71/25	
87-86-5	Pentachlorophenol	25 U	100	115	115	125	125	8	52-144/18	
108-95-2	Phenol	5.0 U	100	42.9	43	42.7	43	0	17-75/35	
95-95-4	2,4,5-Trichlorophenol	5.0 U	100	70.6	71	68.2	68	3	40-121/22	
88-06-2	2,4,6-Trichlorophenol	5.0 U	100	65.7	66	63.1	63	4	42-119/22	
83-32-9	Acenaphthene	5.0 U	100	63.3	63	62.5	63	1	35-115/21	
208-96-8	Acenaphthylene	5.0 U	100	78.3	78	76.0	76	3	43-128/23	
120-12-7	Anthracene	5.0 U	100	80.5	81	78.4	78	3	40-126/18	
56-55-3	Benzo(a)anthracene	5.0 U	100	93.1	93	93.4	93	0	50-118/20	
50-32-8	Benzo(a)pyrene	5.0 U	100	87.0	87	89.5	90	3	48-118/23	
205-99-2	Benzo(b)fluoranthene	5.0 U	100	79.9	80	82.0	82	3	45-119/22	
191-24-2	Benzo(g,h,i)perylene	5.0 U	100	88.4	88	111	111	23	24-135/36	
207-08-9	Benzo(k)fluoranthene	5.0 U	100	90.7	91	89.5	90	1	40-126/30	
101-55-3	4-Bromophenyl phenyl ether	5.0 U	100	77.3	77	77.6	78	0	40-125/20	
85-68-7	Butyl benzyl phthalate	5.0 U	100	100	100	96.8	97	3	40-128/25	
100-51-6	Benzyl Alcohol	5.0 U	100	60.5	61	59.3	59	2	26-110/32	
91-58-7	2-Chloronaphthalene	5.0 U	100	66.8	67	64.8	65	3	33-123/27	
106-47-8	4-Chloroaniline	5.0 U	100	64.4	64	58.9	59	9	10-119/29	
86-74-8	Carbazole	5.0 U	100	84.1	84	81.6	82	3	36-155/19	
218-01-9	Chrysene	5.0 U	100	97.3	97	97.5	98	0	46-118/19	
111-91-1	bis(2-Chloroethoxy)methane	5.0 U	100	63.3	63	60.8	61	4	36-112/30	
111-44-4	bis(2-Chloroethyl)ether	5.0 U	100	62.3	62	59.2	59	5	34-110/33	
7005-72-3	4-Chlorophenyl phenyl ether	5.0 U	100	70.7	71	68.0	68	4	44-124/21	
95-50-1	1,2-Dichlorobenzene	5.0 U	100	58.3	58	55.4	55	5	29-108/29	
541-73-1	1,3-Dichlorobenzene	5.0 U	100	58.5	59	55.7	56	5	31-100/32	
106-46-7	1,4-Dichlorobenzene	5.0 U	100	60.4	60	56.6	57	6	30-104/36	
121-14-2	2,4-Dinitrotoluene	5.0 U	100	90.1	90	87.7	88	3	41-128/23	

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-MS	H24621.D	1	12/06/07	SC	12/05/07	OP8628	EH1384
OP8628-MSD	H24622.D	1	12/06/07	SC	12/05/07	OP8628	EH1384
T19927-10	H24615.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

CAS No.	Compound	T19927-10 ug/l	Spike Q	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
606-20-2	2,6-Dinitrotoluene	5.0 U	100	77.1	77	74.2	74	4	48-124/23
91-94-1	3,3'-Dichlorobenzidine	10 U	100	53.8	54	60.1	60	11	33-142/21
53-70-3	Dibenz(a,h)anthracene	5.0 U	100	97.2	97	109	109	11	28-135/37
132-64-9	Dibenzofuran	5.0 U	100	63.9	64	62.5	63	2	39-123/20
122-39-4	Diphenylamine	5.0 U	100	104	104	102	102	2	35-163/27
84-74-2	Di-n-butyl phthalate	5.0 U	100	85.9	86	80.3	80	7	36-131/16
117-84-0	Di-n-octyl phthalate	5.0 U	100	101	101	92.1	92	9	35-140/25
84-66-2	Diethyl phthalate	5.0 U	100	84.2	84	80.6	81	4	46-129/20
131-11-3	Dimethyl phthalate	5.0 U	100	78.1	78	77.0	77	1	51-121/19
117-81-7	bis(2-Ethylhexyl)phthalate	5.0 U	100	107	107	99.5	100	7	46-135/19
206-44-0	Fluoranthene	5.0 U	100	80.4	80	78.0	78	3	42-124/24
86-73-7	Fluorene	5.0 U	100	66.5	67	66.1	66	1	35-123/22
118-74-1	Hexachlorobenzene	5.0 U	100	79.5	80	79.5	80	0	42-128/21
87-68-3	Hexachlorobutadiene	5.0 U	100	56.8	57	56.4	56	1	26-102/28
77-47-4	Hexachlorocyclopentadiene	5.0 U	100	90.5	91	97.2	97	7	20-107/34
67-72-1	Hexachloroethane	5.0 U	100	55.1	55	54.8	55	1	27-107/30
193-39-5	Indeno(1,2,3-cd)pyrene	5.0 U	100	78.4	78	90.9	91	15	28-133/30
78-59-1	Isophorone	5.0 U	100	64.6	65	64.1	64	1	42-112/28
90-12-0	1-Methylnaphthalene	5.0 U	100	56.9	57	55.5	56	2	35-107/25
91-57-6	2-Methylnaphthalene	5.0 U	100	58.9	59	57.9	58	2	32-118/29
88-74-4	2-Nitroaniline	5.0 U	100	78.1	78	76.3	76	2	42-122/22
99-09-2	3-Nitroaniline	5.0 U	100	93.9	94	93.8	94	0	28-145/23
100-01-6	4-Nitroaniline	5.0 U	100	191	191	180	180	6	32-209/24
91-20-3	Naphthalene	5.0 U	100	58.6	59	56.5	57	4	36-105/24
98-95-3	Nitrobenzene	5.0 U	100	65.7	66	66.2	66	1	37-115/26
621-64-7	N-Nitroso-di-n-propylamine	5.0 U	100	70.9	71	69.7	70	2	34-122/27
86-30-6	N-Nitrosodiphenylamine	5.0 U	100	104	104	102	102	2	33-165/27
85-01-8	Phenanthrene	5.0 U	100	81.2	81	78.4	78	4	49-119/19
129-00-0	Pyrene	5.0 U	100	88.3	88	99.6	100	12	39-128/25
120-82-1	1,2,4-Trichlorobenzene	5.0 U	100	60.1	60	57.9	58	4	30-112/23
98-85-1	1-Phenylethanol	5.0 U		ND		ND		nc	50-150/30 ^a
931-17-9	1,2-Cyclohexanediol	5.0 U		ND		ND		nc	50-150/30 ^a
	1,3&1,4-Cyclohexanediol	5.0 U		ND		ND		nc	50-150/30 ^a

Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8628-MS	H24621.D	1	12/06/07	SC	12/05/07	OP8628	EH1384
OP8628-MSD	H24622.D	1	12/06/07	SC	12/05/07	OP8628	EH1384
T19927-10	H24615.D	1	12/06/07	SC	12/05/07	OP8628	EH1384

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-3, T19944-7, T19944-14

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CAS No.	Surrogate Recoveries	MS	MSD	T19927-10	Limits
367-12-4	2-Fluorophenol	53%	50%	32%	10-66%
4165-62-2	Phenol-d5	45%	44%	24%	10-53%
118-79-6	2,4,6-Tribromophenol	89%	91%	90%	32-128%
4165-60-0	Nitrobenzene-d5	64%	64%	54%	29-115%
321-60-8	2-Fluorobiphenyl	64%	61%	56%	34-113%
1718-51-0	Terphenyl-d14	91%	100%	92%	12-145%

(a) Advisory control limits.

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MS	A24830.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
OP8652-MSD	A24831.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
T19944-1	A24825.D	1	12/12/07	SC	12/07/07	OP8652	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	T19944-1 ug/kg	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	300 U	2980	2040	69	2140	72	5	33-109/27
59-50-7	4-Chloro-3-methyl phenol	300 U	2980	2290	77	2390	80	4	44-118/22
120-83-2	2,4-Dichlorophenol	300 U	2980	2030	68	2140	72	5	34-117/28
105-67-9	2,4-Dimethylphenol	300 U	2980	1890	63	1840	62	3	37-113/23
51-28-5	2,4-Dinitrophenol	1500 U	2980	1450	49	1660	56	14	10-119/25
534-52-1	4,6-Dinitro-o-cresol	590 U	2980	2060	69	2130	71	3	38-103/26
95-48-7	2-Methylphenol	300 U	2980	2010	68	2170	73	8	38-109/26
	3&4-Methylphenol	300 U	5950	4390	74	4530	76	3	36-115/26
100-02-7	4-Nitrophenol	300 U	2980	2470	83	2740	92	10	12-142/27
87-86-5	Pentachlorophenol	1500 U	2980	2400	81	2430	82	1	43-134/20
108-95-2	Phenol	300 U	2980	2180	73	2180	73	0	33-109/23
95-95-4	2,4,5-Trichlorophenol	300 U	2980	2110	71	2400	81	13	35-123/21
88-06-2	2,4,6-Trichlorophenol	300 U	2980	2100	71	2470	83	16	31-129/21
83-32-9	Acenaphthene	300 U	2980	1880	63	1880	63	0	39-113/21
208-96-8	Acenaphthylene	300 U	2980	2280	77	2230	75	2	45-125/23
120-12-7	Anthracene	300 U	2980	2010	68	1960	66	3	41-122/19
56-55-3	Benzo(a)anthracene	300 U	2980	2230	75	2110	71	6	48-114/18
50-32-8	Benzo(a)pyrene	300 U	2980	2190	74	2190	73	0	45-114/20
205-99-2	Benzo(b)fluoranthene	300 U	2980	2370	80	2100	70	12	42-116/23
191-24-2	Benzo(g,h,i)perylene	300 U	2980	2750	92	2750	92	0	22-131/35
207-08-9	Benzo(k)fluoranthene	300 U	2980	2130	72	2090	70	2	39-126/22
101-55-3	4-Bromophenyl phenyl ether	300 U	2980	2050	69	2050	69	0	38-127/19
85-68-7	Butyl benzyl phthalate	300 U	2980	2720	91	2660	89	2	32-147/24
100-51-6	Benzyl Alcohol	300 U	2980	2210	74	2300	77	4	36-111/26
91-58-7	2-Chloronaphthalene	300 U	2980	2120	71	2130	71	0	36-119/23
106-47-8	4-Chloroaniline	300 U	2980	1730	58	1880	63	8	14-114/27
86-74-8	Carbazole	300 U	2980	2400	81	2330	78	3	27-158/19
218-01-9	Chrysene	300 U	2980	2330	78	2230	75	4	47-113/19
111-91-1	bis(2-Chloroethoxy)methane	300 U	2980	1990	67	1950	65	2	35-109/25
111-44-4	bis(2-Chloroethyl)ether	300 U	2980	1900	64	1810	61	5	29-109/26
7005-72-3	4-Chlorophenyl phenyl ether	300 U	2980	1940	65	1960	66	1	41-123/21
95-50-1	1,2-Dichlorobenzene	300 U	2980	1860	62	1510	51	21	23-114/30
541-73-1	1,3-Dichlorobenzene	300 U	2980	1750	59	1320	44	28*	21-112/27
106-46-7	1,4-Dichlorobenzene	300 U	2980	1760	59	1340	45	27	23-114/27
121-14-2	2,4-Dinitrotoluene	300 U	2980	2230	75	2520	85	12	42-134/25
606-20-2	2,6-Dinitrotoluene	300 U	2980	2300	77	2480	83	8	49-119/21

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MS	A24830.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
OP8652-MSD	A24831.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
T19944-1	A24825.D	1	12/12/07	SC	12/07/07	OP8652	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Compound	T19944-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	590 U	2980	2890	97	3520	118	20	37-149/27	
53-70-3	Dibenz(a,h)anthracene	300 U	2980	2580	87	2550	86	1	23-135/28	
132-64-9	Dibenzofuran	300 U	2980	1930	65	1960	66	2	39-126/19	
122-39-4	Diphenylamine	300 U	2980	2250	76	2270	76	1	38-161/25	
84-74-2	Di-n-butyl phthalate	300 U	2980	2220	75	2220	74	0	43-124/20	
117-84-0	Di-n-octyl phthalate	300 U	2980	2780	93	2700	91	3	22-162/29	
84-66-2	Diethyl phthalate	300 U	2980	1930	65	2020	68	5	44-129/21	
131-11-3	Dimethyl phthalate	300 U	2980	2160	73	2330	78	8	48-122/16	
117-81-7	bis(2-Ethylhexyl)phthalate	300 U	2980	3080	103	3080	103	0	41-138/24	
206-44-0	Fluoranthene	300 U	2980	2100	71	2030	68	3	29-127/24	
86-73-7	Fluorene	300 U	2980	1940	65	2050	69	6	39-122/22	
118-74-1	Hexachlorobenzene	300 U	2980	2170	73	2070	69	5	46-119/24	
87-68-3	Hexachlorobutadiene	300 U	2980	1700	57	1400	47	19	15-117/26	
77-47-4	Hexachlorocyclopentadiene	300 U	2980	1890	63	1830	61	3	12-103/29	
67-72-1	Hexachloroethane	300 U	2980	1620	54	1260	42	25	18-116/30	
193-39-5	Indeno(1,2,3-cd)pyrene	300 U	2980	2930	98	2840	95	3	23-127/32	
78-59-1	Isophorone	300 U	2980	2080	70	2130	71	2	36-116/24	
90-12-0	1-Methylnaphthalene	300 U	2980	1820	61	1550	52	16	38-105/25	
91-57-6	2-Methylnaphthalene	300 U	2980	1760	59	1580	53	11	37-113/26	
88-74-4	2-Nitroaniline	300 U	2980	2280	77	2620	88	14	38-131/18	
99-09-2	3-Nitroaniline	300 U	2980	2630	88	2800	94	6	30-144/23	
100-01-6	4-Nitroaniline	300 U	2980	4030	135	4690	157	15	54-196/32	
91-20-3	Naphthalene	300 U	2980	1910	64	1600	54	18	28-113/25	
98-95-3	Nitrobenzene	300 U	2980	2060	69	1840	62	11	32-113/26	
621-64-7	N-Nitroso-di-n-propylamine	300 U	2980	2320	78	2340	79	1	34-118/24	
86-30-6	N-Nitrosodiphenylamine	300 U	2980	2250	76	2270	76	1	40-157/24	
85-01-8	Phenanthrene	300 U	2980	2190	74	2030	68	8	40-121/19	
129-00-0	Pyrene	300 U	2980	2300	77	2210	74	4	32-144/24	
120-82-1	1,2,4-Trichlorobenzene	300 U	2980	1820	61	1530	51	17	25-120/26	

CAS No.	Surrogate Recoveries	MS	MSD	T19944-1	Limits
367-12-4	2-Fluorophenol	64%	66%	54%	26-124%
4165-62-2	Phenol-d5	69%	70%	62%	19-106%
118-79-6	2,4,6-Tribromophenol	76%	77%	76%	18-129%

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Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8652-MS	A24830.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
OP8652-MSD	A24831.D	1	12/12/07	SC	12/07/07	OP8652	EA1541
T19944-1	A24825.D	1	12/12/07	SC	12/07/07	OP8652	EA1541

The QC reported here applies to the following samples:

Method: SW846 8270C

T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

CAS No.	Surrogate Recoveries	MS	MSD	T19944-1	Limits
4165-60-0	Nitrobenzene-d5	66%	66%	64%	18-104%
321-60-8	2-Fluorobiphenyl	65%	71%	68%	21-114%
1718-51-0	Terphenyl-d14	80%	78%	69%	24-149%



IT'S ALL IN THE CHEMISTRY

GC Semi-volatiles

QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8643-MB	GG39250.D	1	12/10/07	FO	12/06/07	OP8643	GGG1212

The QC reported here applies to the following samples:

Method: SW846 8151

T19944-12, T19944-13

7.1

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CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	33	13	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	13	12	ug/kg	
93-76-5	2,4,5-T	ND	6.7	3.3	ug/kg	
1918-00-9	Dicamba	ND	6.7	5.0	ug/kg	
88-85-7	Dinoseb	ND	6.7	4.3	ug/kg	
75-99-0	Dalapon	ND	33	23	ug/kg	
120-36-5	Dichloroprop	ND	33	9.0	ug/kg	
94-82-6	2,4-DB	ND	67	54	ug/kg	
93-65-2	MCPP	ND	170		ug/kg	
94-74-6	MCPA	ND	170		ug/kg	
87-86-5	Pentachlorophenol	ND	1.7	1.0	ug/kg	

CAS No. Surrogate Recoveries Limits

19719-28-9 2,4-DCAA 63% 34-179%

Method Blank Summary

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Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8631-MB	GG39150.D	1	12/07/07	FO	12/05/07	OP8631	GGG1211

The QC reported here applies to the following samples:

Method: SW846 8081A

T19944-12, T19944-13

7.1

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CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	1.7	0.40	ug/kg	
319-84-6	alpha-BHC	ND	1.7	0.37	ug/kg	
319-85-7	beta-BHC	ND	1.7	0.53	ug/kg	
319-86-8	delta-BHC	ND	1.7	0.53	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	1.7	0.73	ug/kg	
5103-71-9	alpha-Chlordane	ND	1.7	0.33	ug/kg	
5103-74-2	gamma-Chlordane	ND	1.7	0.33	ug/kg	
60-57-1	Dieldrin	ND	3.3	0.90	ug/kg	
72-54-8	4,4'-DDD	ND	3.3	0.97	ug/kg	
72-55-9	4,4'-DDE	ND	3.3	1.3	ug/kg	
50-29-3	4,4'-DDT	ND	3.3	1.5	ug/kg	
72-20-8	Endrin	ND	3.3	1.1	ug/kg	
1031-07-8	Endosulfan sulfate	ND	3.3	0.97	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.3	1.4	ug/kg	
53494-70-5	Endrin ketone	ND	3.3	0.90	ug/kg	
959-98-8	Endosulfan-I	ND	3.3	0.47	ug/kg	
33213-65-9	Endosulfan-II	ND	3.3	0.83	ug/kg	
76-44-8	Heptachlor	ND	1.7	0.47	ug/kg	
1024-57-3	Heptachlor epoxide	ND	1.7	0.33	ug/kg	
72-43-5	Methoxychlor	ND	17	7.3	ug/kg	
8001-35-2	Toxaphene	ND	17	12	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	97% 26-156%
2051-24-3	Decachlorobiphenyl	86% 14-149%

Method Blank Summary

Page 1 of 1

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8630-MB	DD69764.D	1	12/07/07	FO	12/05/07	OP8630	GDD1357

The QC reported here applies to the following samples:

Method: SW846 8082

T19944-12, T19944-13

7.1

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CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	17	11	ug/kg	
11104-28-2	Aroclor 1221	ND	17	17	ug/kg	
11141-16-5	Aroclor 1232	ND	17	9.7	ug/kg	
53469-21-9	Aroclor 1242	ND	17	14	ug/kg	
12672-29-6	Aroclor 1248	ND	17	13	ug/kg	
11097-69-1	Aroclor 1254	ND	17	14	ug/kg	
11096-82-5	Aroclor 1260	ND	17	7.0	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	65% - 148%
2051-24-3	Decachlorobiphenyl	71% - 156%

Blank Spike Summary

Page 1 of 1

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8643-BS	GG39251.D	1	12/10/07	FO	12/06/07	OP8643	GGG1212

The QC reported here applies to the following samples:

Method: SW846 8151

T19944-12, T19944-13

7.2

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CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
94-75-7	2,4-D	66.6	49.1	74	51-137
93-72-1	2,4,5-TP (Silvex)	13.3	ND	81	46-136
93-76-5	2,4,5-T	13.3	10	75	37-143
1918-00-9	Dicamba	13.3	11.1	83	30-144
88-85-7	Dinoseb	13.3	3.0	23	10-36
75-99-0	Dalapon	66.6	70.1	105	21-110
120-36-5	Dichloroprop	66.6	54.8	82	56-131
94-82-6	2,4-DB	133	112	84	47-149
87-86-5	Pentachlorophenol	3.33	2.2	66	13-122

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	90%	34-179%
19719-28-9	2,4-DCAA	100%	34-179%

Blank Spike Summary

Page 1 of 1

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8631-BS	GG39151.D	1	12/07/07	FO	12/05/07	OP8631	GGG1211

The QC reported here applies to the following samples:

Method: SW846 8081A

T19944-12, T19944-13

7.2

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CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	8.33	8.1	97	44-138
319-84-6	alpha-BHC	8.33	9.6	115	61-146
319-85-7	beta-BHC	8.33	9.2	111	58-150
319-86-8	delta-BHC	8.33	9.2	111	52-153
58-89-9	gamma-BHC (Lindane)	8.33	8.7	105	57-134
5103-71-9	alpha-Chlordane	8.33	8.5	102	57-136
5103-74-2	gamma-Chlordane	8.33	8.1	97	56-132
60-57-1	Dieldrin	16.7	18.0	108	72-133
72-54-8	4,4'-DDD	16.7	19.4	117	75-137
72-55-9	4,4'-DDE	16.7	19.2	115	65-147
50-29-3	4,4'-DDT	16.7	17.8	107	58-147
72-20-8	Endrin	16.7	19.8	119	66-159
1031-07-8	Endosulfan sulfate	16.7	18.7	112	60-132
7421-93-4	Endrin aldehyde	16.7	16.3	98	50-116
53494-70-5	Endrin ketone	16.7	17.2	103	58-138
959-98-8	Endosulfan-I	8.33	8.7	105	55-145
33213-65-9	Endosulfan-II	16.7	18.8	113	64-138
76-44-8	Heptachlor	8.33	9.4	113	62-141
1024-57-3	Heptachlor epoxide	8.33	8.9	107	58-138
72-43-5	Methoxychlor	83.3	89.0	107	65-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	89%	26-156%
2051-24-3	Decachlorobiphenyl	84%	14-149%

Blank Spike Summary

Page 1 of 1

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8630-BS	DD69765.D	1	12/07/07	FO	12/05/07	OP8630	GDD1357

The QC reported here applies to the following samples:

Method: SW846 8082

T19944-12, T19944-13

7.2

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CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	66.4	59.3	89	55-153
11096-82-5	Aroclor 1260	66.4	62.0	93	54-162

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	75%	28-148%
2051-24-3	Decachlorobiphenyl	85%	23-156%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8643-MS	GG39265.D	1	12/10/07	FO	12/06/07	OP8643	GGG1212
OP8643-MSD	GG39266.D	1	12/10/07	FO	12/06/07	OP8643	GGG1212
T19927-4	GG39252.D	1	12/10/07	FO	12/06/07	OP8643	GGG1212

The QC reported here applies to the following samples:

Method: SW846 8151

T19944-12, T19944-13

7.3

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CAS No.	Compound	T19927-4 ug/kg	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	42 U	85.8	72.2	84	67.0	78	7	28-130/28
93-72-1	2,4,5-TP (Silvex)	17 U	17.2	ND	64	ND	60	7	25-120/29
93-76-5	2,4,5-T	8.4 U	17.2	14.8	86	15.0	87	1	22-131/32
1918-00-9	Dicamba	8.4 U	17.2	14.2	83	15.7	91	10	22-147/33
88-85-7	Dinoseb	8.4 U	17.2	7.5	44	ND	0*	200*	10-51/34
75-99-0	Dalapon	42 U	85.8	69.7	81	68.4	79	2	20-112/33
120-36-5	Dichloroprop	42 U	85.8	67.3	78	71.4	83	6	35-124/34
94-82-6	2,4-DB	84 U	172	154	90	191	111	21	30-152/22
93-65-2	MCPP	210 U		ND		ND		nc	-/0
94-74-6	MCPA	210 U		ND		ND		nc	-/0
87-86-5	Pentachlorophenol	2.1 U	4.29	3.5	82	3.5	81	0	15-102/32

CAS No.	Surrogate Recoveries	MS	MSD	T19927-4	Limits
19719-28-9	2,4-DCAA	87%	88%	54%	34-179%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8631-MS	GG39189.D	1	12/08/07	FO	12/05/07	OP8631	GGG1211
OP8631-MSD	GG39190.D	1	12/08/07	FO	12/05/07	OP8631	GGG1211
T19927-2	GG39153.D	1	12/07/07	FO	12/05/07	OP8631	GGG1211

The QC reported here applies to the following samples:

Method: SW846 8081A

T19944-12, T19944-13

7.3

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CAS No.	Compound	T19927-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	1.9 U	9.73	9.3	96	8.2	84	13	33-136/26	
319-84-6	alpha-BHC	1.9 U	9.73	10.8	111	9.6	99	12	40-144/26	
319-85-7	beta-BHC	1.9 U	9.73	11.6	119	10.0	103	15	43-144/26	
319-86-8	delta-BHC	1.9 U	9.73	11.6	119	10.7	110	8	55-143/28	
58-89-9	gamma-BHC (Lindane)	1.9 U	9.73	9.9	102	8.9	92	11	45-131/31	
5103-71-9	alpha-Chlordane	1.9 U	9.73	9.8	101	8.6	88	13	48-135/28	
5103-74-2	gamma-Chlordane	1.9 U	9.73	9.3	96	8.0	82	15	47-135/31	
60-57-1	Dieldrin	3.9 U	19.5	22.0	113	18.9	97	15	65-127/27	
72-54-8	4,4'-DDD	3.9 U	19.5	29.0	149*	25.6	132	12	56-137/27	
72-55-9	4,4'-DDE	3.9 U	19.5	25.9	133	22.6	116	14	62-139/25	
50-29-3	4,4'-DDT	3.9 U	19.5	29.2	150*	26.0	134	12	47-138/25	
72-20-8	Endrin	3.9 U	19.5	27.8	143	24.1	124	14	70-147/28	
1031-07-8	Endosulfan sulfate	3.9 U	19.5	22.1	114	21.4	110	3	54-128/26	
7421-93-4	Endrin aldehyde	3.9 U	19.5	25.2	130*	21.2	109	17	32-127/27	
53494-70-5	Endrin ketone	3.9 U	19.5	23.0	118	18.8	97	20	49-137/24	
959-98-8	Endosulfan-I	3.9 U	9.73	11.3	116	9.7	100	15	54-132/26	
33213-65-9	Endosulfan-II	3.9 U	19.5	25.7	132	22.9	118	12	34-147/29	
76-44-8	Heptachlor	1.9 U	9.73	8.9	92	8.0	82	11	32-145/27	
1024-57-3	Heptachlor epoxide	1.9 U	9.73	9.9	102	8.5	87	15	45-134/29	
72-43-5	Methoxychlor	19 U	97.3	121	124	105	108	14	40-153/25	

CAS No.	Surrogate Recoveries	MS	MSD	T19927-2	Limits
877-09-8	Tetrachloro-m-xylene	87%	79%	82%	26-156%
2051-24-3	Decachlorobiphenyl	74%	71%	75%	14-149%

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: T19944

Account: KLETXAU KLEINFELDER

Project: Falcon Refinery Superfund Site/Ingleside, TX

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP8630-MS ^a	DD69781.D	1	12/07/07	FO	12/05/07	OP8630	GDD1357
OP8630-MSD ^a	DD69782.D	1	12/07/07	FO	12/05/07	OP8630	GDD1357
T19934-1	DD69770.D	1	12/07/07	FO	12/05/07	OP8630	GDD1357

The QC reported here applies to the following samples:

Method: SW846 8082

T19944-12, T19944-13

CAS No.	Compound	T19934-1 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		104	78.3	76	77.4	74	1
11096-82-5	Aroclor 1260	17.8		104	106	85	84.2	64	23

CAS No.	Surrogate Recoveries	MS	MSD	T19934-1	Limits
877-09-8	Tetrachloro-m-xylene	65%	41%	34%	28-148%
2051-24-3	Decachlorobiphenyl	68%	54%	37%	23-156%

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

7.3

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IT'S ALL IN THE CHEMISTRY

Metals Analysis

QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP6987
Matrix Type: SOLID

Methods: SW846 6010B
Units: mg/kg

Prep Date:

12/07/07

Metal	RL	IDL	MB raw	final
Aluminum	10	2.6	1.0	<10
Antimony	0.50	.09	-0.035	<0.50
Arsenic	0.50	.07	0.094	<0.50
Barium	10	.005	0.0070	<10
Beryllium	0.25	.003	0.0030	<0.25
Boron	5.0	.07		
Cadmium	0.25	.025	0.0065	<0.25
Calcium	250	.4	0.60	<250
Chromium	0.50	.045	0.025	<0.50
Cobalt	2.5	.05	0.0075	<2.5
Copper	1.3	.071	0.033	<1.3
Iron	5.0	.8	-0.50	<5.0
Lead	0.50	.035	0.0015	<0.50
Magnesium	250	.4	-0.080	<250
Manganese	0.75	.01	0.11	<0.75
Molybdenum	0.50	.023		
Nickel	2.0	.05	0.044	<2.0
Potassium	250	4	-1.1	<250
Selenium	0.50	.085	0.0090	<0.50
Silver	0.50	.025	0.035	<0.50
Sodium	250	8.1	-0.048	<250
Strontium	1.0	.025		
Thallium	1.0	.075	0.048	<1.0
Tin	1.0	.075		
Titanium	1.0	.025		
Vanadium	2.5	.02	0.012	<2.5
Zinc	1.0	.04	0.11	<1.0

Associated samples MP6987: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP6987
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date: 12/07/07 12/07/07

Metal	T19944-1 Original DUP		RPD	QC Limits	T19944-1 Original MS		Spikelot MPTW3	% Rec	QC Limits
Aluminum	25400	33400	27.2*(a)	0-20	25400	41400	7810	204.8N(c)	75-125
Antimony	0.0	0.0	NC	0-20	0.0	26.7	62.5	42.7N(c)	75-125
Arsenic	3.0	3.5	15.4	0-20	3.0	58.5	62.5	88.8	75-125
Barium	109	140	24.9*(a)	0-20	109	192	62.5	132.8N(c)	75-125
Beryllium	0.89	1.2	29.7 (b)	0-20	0.89	54.4	62.5	85.6	75-125
Boron									
Cadmium	0.19	0.27	34.8 (b)	0-20	0.19	51.8	62.5	82.6	75-125
Calcium	39000	51800	28.2*(a)	0-20	39000	58000	7810	243.2(d)	75-125
Chromium	14.9	19.6	27.2*(a)	0-20	14.9	71.4	62.5	90.4	75-125
Cobalt	4.6	6.0	26.4 (b)	0-20	4.6	57.8	62.5	85.1	75-125
Copper	9.6	11.9	21.4 (b)	0-20	9.6	70.6	62.5	97.6	75-125
Iron	15100	19800	26.9*(a)	0-20	15100	26300	7810	143.4N(c)	75-125
Lead	10.4	13.6	26.7*(a)	0-20	10.4	66.3	62.5	89.4	75-125
Magnesium	7140	9360	26.9*(a)	0-20	7140	15200	7810	103.2	75-125
Manganese	210	278	27.9*(a)	0-20	210	328	62.5	188.8N(c)	75-125
Molybdenum									
Nickel	9.3	13.2	34.7 (b)	0-20	9.3	63.8	62.5	87.2	75-125
Potassium	6150	7960	25.7*(a)	0-20	6150	14900	7810	112.0	75-125
Selenium	0.0	0.0	NC	0-20	0.0	55.9	62.5	89.4	75-125
Silver	0.0	0.0	NC	0-20	0.0	54.7	62.5	87.5	75-125
Sodium	5650	6950	20.6*(a)	0-20	5650	13500	7810	100.5	75-125
Strontium									
Thallium	0.0	0.0	NC	0-20	0.0	53.2	62.5	85.1	75-125
Tin									
Titanium									
Vanadium	29.3	38.0	25.9*(a)	0-20	29.3	91.2	62.5	99.0	75-125
Zinc	156	190	19.7	0-20	156	246	62.5	144.0N(c)	75-125

Associated samples MP6987: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) High RPD due to possible sample nonhomogeneity.

(b) RPD acceptable due to low duplicate and sample concentrations.

(c) Spike recovery indicates possible matrix interference.

(d) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP6987
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date:

12/07/07

Metal	T19944-1 Original	MSD	Spikelot MPTW3	% Rec	MSD RPD	QC Limit
Aluminum	25400	41800	7940	206.5N(a)	1.0	
Antimony	0.0	25.9	63.5	40.8N(a)	3.0	
Arsenic	3.0	58.8	63.5	87.8	0.5	
Barium	109	204	63.5	149.5N(a)	6.1	
Beryllium	0.89	54.3	63.5	84.0	0.2	
Boron						
Cadmium	0.19	51.2	63.5	80.3	1.2	
Calcium	39000	56500	7940	220.3(b)	2.6	
Chromium	14.9	71.5	63.5	89.1	0.1	
Cobalt	4.6	58.0	63.5	84.0	0.3	
Copper	9.6	70.5	63.5	95.8	0.1	
Iron	15100	27000	7940	149.8N(a)	2.6	
Lead	10.4	66.3	63.5	88.0	0.0	
Magnesium	7140	15200	7940	101.5	0.0	
Manganese	210	313	63.5	162.1N(a)	4.7	
Molybdenum						
Nickel	9.3	62.4	63.5	83.6	2.2	
Potassium	6150	15100	7940	112.7	1.3	
Selenium	0.0	55.6	63.5	87.5	0.5	
Silver	0.0	54.3	63.5	85.4	0.7	
Sodium	5650	13500	7940	98.8	0.0	
Strontium						
Thallium	0.0	52.7	63.5	82.9	0.9	
Tin						
Titanium						
Vanadium	29.3	91.1	63.5	97.2	0.1	
Zinc	156	247	63.5	143.2N(a)	0.4	

Associated samples MP6987: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP6987
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: mg/kg

Prep Date:

12/07/07

Metal	LCS Result	Spikelot MPLCD049	% Rec	QC Limits
Aluminum	8320	7730	107.6	58-142
Antimony	28.9	60.6	47.7	17-223
Arsenic	221	257	86.0	80-120
Barium	424	472	89.8	82-118
Beryllium	77.3	88.4	87.4	82-118
Boron				
Cadmium	95.8	117	81.9	82-119
Calcium	3170	3640	87.1	79-121
Chromium	62.0	72.8	85.2	79-121
Cobalt	71.2	82.5	86.3	82-118
Copper	87.4	100	87.4	83-118
Iron	13200	14500	91.0	51-149
Lead	141	166	84.9	81-119
Magnesium	2580	3000	86.0	77-123
Manganese	323	374	86.4	80-120
Molybdenum				
Nickel	86.8	103	84.3	82-118
Potassium	2360	2410	97.9	71-129
Selenium	156	173	90.2	76-124
Silver	108	123	87.8	61-139
Sodium	360	574	62.7	56-144
Strontium				
Thallium	168	194	86.6	76-124
Tin				
Titanium				
Vanadium	117	138	84.8	75-125
Zinc	180	201	89.6	79-120

Associated samples MP6987: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

8.1.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP6987
 Matrix Type: SOLID

Methods: SW846 6010B
 Units: ug/l

Prep Date:

12/07/07

Metal	T19944-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	201000	220000	9.5	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	23.4	27.4	17.3 (a)	0-10
Barium	864	938	8.6	0-10
Beryllium	7.06	8.47	20.0*(b)	0-10
Boron				
Cadmium	1.53	0.00	100.0(a)	0-10
Calcium	308000	335000	8.8	0-10
Chromium	118	133	12.9*(b)	0-10
Cobalt	36.2	42.6	17.9 (a)	0-10
Copper	75.8	80.1	5.6	0-10
Iron	120000	132000	10.5*(b)	0-10
Lead	82.0	96.5	17.7*(b)	0-10
Magnesium	56500	63400	12.3*(b)	0-10
Manganese	1660	1870	12.8*(b)	0-10
Molybdenum				
Nickel	73.6	87.5	18.9*(b)	0-10
Potassium	48600	49000	0.8	0-10
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	44600	46400	4.0	0-10
Strontium				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Vanadium	232	260	12.2*(b)	0-10
Zinc	1230	1400	13.7*(b)	0-10

Associated samples MP6987: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7014
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

12/12/07

Metal	RL	IDL	MB raw	final
Aluminum	200	51	-7.5	<200
Antimony	5.0	1.8	-0.94	<5.0
Arsenic	5.0	1.4	-0.79	<5.0
Barium	200	.1	-0.070	<200
Beryllium	5.0	.06	0.10	<5.0
Boron	100	1.4		
Cadmium	4.0	.5	0.0	<4.0
Calcium	5000	8	-19	<5000
Chromium	10	.9	-0.59	<10
Cobalt	50	.99	-0.10	<50
Copper	25	1.4	-0.86	<25
Iron	100	16	-10	<100
Lead	3.0	.7	0.0	<3.0
Magnesium	5000	8	-2.8	<5000
Manganese	15	.2	-0.13	<15
Molybdenum	10	.45		
Nickel	40	1	-0.25	<40
Potassium	5000	80	-110	<5000
Selenium	5.0	1.7		
Silver	10	.5	-0.14	<10
Sodium	5000	160	-25	<5000
Strontium	20	.5		
Thallium	10	1.5	0.47	<10
Tin	20	1.5		
Titanium	20	.5		
Vanadium	50	.4	-0.11	<50
Zinc	20	.8	-0.25	<20

Associated samples MP7014: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits
(anr) Analyte not requested

8.2.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7014
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/12/07 12/12/07

Metal	T19927-10 Original	DUP	RPD	QC Limits	T19927-10 Original	MS	Spikelot MPTW3	% Rec	QC Limits
Aluminum	0.0	0.0	NC	0-20	0.0	51500	50000	103.0	75-125
Antimony	0.0	2.1	200.0 (a)	0-20	0.0	375	400	93.8	75-125
Arsenic	19.5	19.5	0.0	0-20	19.5	495	400	118.9	75-125
Barium	287	276	3.9	0-20	287	747	400	115.0	75-125
Beryllium	0.0	0.0	NC	0-20	0.0	459	400	114.8	75-125
Boron									
Cadmium	0.0	0.0	NC	0-20	0.0	428	400	107.0	75-125
Calcium	131000	127000	3.1	0-20	131000	177000	50000	92.0	75-125
Chromium	0.0	0.0	NC	0-20	0.0	443	400	110.8	75-125
Cobalt	0.0	0.0	NC	0-20	0.0	440	400	110.0	75-125
Copper	2.2	2.5	12.8	0-20	2.2	470	400	117.0	75-125
Iron	625	614	1.8	0-20	625	47400	50000	93.6	75-125
Lead	1.6	2.2	31.6 (a)	0-20	1.6	436	400	108.6	75-125
Magnesium	124000	120000	3.3	0-20	124000	169000	50000	90.0	75-125
Manganese	826	799	3.3	0-20	826	1240	400	103.5	75-125
Molybdenum									
Nickel	1.5	1.8	18.2	0-20	1.5	424	400	105.6	75-125
Potassium	15900	14700	7.8	0-20	15900	75100	50000	118.4	75-125
Selenium									
Silver	0.0	0.0	NC	0-20	0.0	471	400	117.8	75-125
Sodium	598000	275000	4.6	0-20	598000	311000	50000	46.0 (b)	75-125
Strontium									
Thallium	4.8	2.4	66.7 (a)	0-20	4.8	452	400	111.8	75-125
Tin									
Titanium									
Vanadium	0.61	0.74	19.3	0-20	0.61	441	400	110.1	75-125
Zinc	12.7	10.3	20.9 (a)	0-20	12.7	444	400	107.8	75-125

Associated samples MP7014: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) RPD acceptable due to low duplicate and sample concentrations.

(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7014
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/12/07

Metal	T19927-10 Original	MSD	Spikelot MPTW3	% Rec	MSD RPD	QC Limit
Aluminum	0.0	52700	50000	105.4	2.3	
Antimony	0.0	384	400	96.0	2.4	
Arsenic	19.5	508	400	122.1	2.6	
Barium	287	756	400	117.3	1.2	
Beryllium	0.0	471	400	117.8	2.6	
Boron						
Cadmium	0.0	439	400	109.8	2.5	
Calcium	131000	178000	50000	94.0	0.6	
Chromium	0.0	454	400	113.5	2.5	
Cobalt	0.0	451	400	112.8	2.5	
Copper	2.2	484	400	120.5	2.9	
Iron	625	48600	50000	96.0	2.5	
Lead	1.6	448	400	111.6	2.7	
Magnesium	124000	170000	50000	92.0	0.6	
Manganese	826	1250	400	106.0	0.8	
Molybdenum						
Nickel	1.5	437	400	108.9	3.0	
Potassium	15900	75800	50000	119.8	0.9	
Selenium						
Silver	0.0	481	400	120.3	2.1	
Sodium	598000	301000	50000	26.0 (a)	3.3	
Strontium						
Thallium	4.8	465	400	115.1	2.8	
Tin						
Titanium						
Vanadium	0.61	451	400	112.6	2.2	
Zinc	12.7	458	400	111.3	3.1	

Associated samples MP7014: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7014
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/12/07

Metal	BSP Result	Spikelot MPTW3	% Rec	QC Limits
Aluminum	49000	50000	98.0	80-120
Antimony	464	400	116.0	80-120
Arsenic	457	400	114.3	80-120
Barium	461	400	115.3	80-120
Beryllium	463	400	115.8	80-120
Boron				
Cadmium	437	400	109.3	80-120
Calcium	48700	50000	97.4	80-120
Chromium	443	400	110.8	80-120
Cobalt	444	400	111.0	80-120
Copper	479	400	119.8	80-120
Iron	47300	50000	94.6	80-120
Lead	442	400	110.5	80-120
Magnesium	47200	50000	94.4	80-120
Manganese	450	400	112.5	80-120
Molybdenum				
Nickel	431	400	107.8	80-120
Potassium	48100	50000	96.2	80-120
Selenium				
Silver	454	400	113.5	80-120
Sodium	49700	50000	99.4	80-120
Strontium				
Thallium	460	400	115.0	80-120
Tin				
Titanium				
Vanadium	440	400	110.0	80-120
Zinc	443	400	110.8	80-120

Associated samples MP7014: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits
 (anr) Analyte not requested

8.2.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7014
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date:

12/12/07

Metal	T19927-10 Original	SDL 1:5	RPD	QC Limits
Aluminum	0.00	0.00	NC	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	19.5	10.3	46.9 (a)	0-10
Barium	287	286	0.2	0-10
Beryllium	0.00	0.460		0-10
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium	131000	133000	1.3	0-10
Chromium	0.00	0.00	NC	0-10
Cobalt	0.00	0.00	NC	0-10
Copper	2.22	0.00	100.0 (a)	0-10
Iron	625	593	5.2	0-10
Lead	1.64	0.00	100.0 (a)	0-10
Magnesium	124000	124000	0.1	0-10
Manganese	826	844	2.1	0-10
Molybdenum				
Nickel	1.51	0.00	100.0 (a)	0-10
Potassium	15900	12100	23.6* (b)	0-10
Selenium				
Silver	0.00	0.00	NC	0-10
Sodium	598000	291000	0.9	0-10
Strontium				
Thallium	4.79	13.6	183.1 (a)	0-10
Tin				
Titanium				
Vanadium	0.610	0.00	100.0 (a)	0-10
Zinc	12.7	14.0	10.5 (a)	0-10

Associated samples MP7014: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

8.2.4
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7018
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:

12/12/07

Metal	RL	IDL	MB raw	final
Mercury	0.20	.049	0.023	<0.20

Associated samples MP7018: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.3.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7018
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date:	12/12/07	Method Date:	12/12/07				
Metal	T19927-10 Original DUP	RPD	QC Limits	T19927-10 Original MS	Spikelot HGTXAQ40	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-6.6	0.0	2.2	3

Associated samples MP7018: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested
 (a) Spike recovery indicates possible matrix interference.

8.3.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7018
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date:

12/12/07

Metal	T19927-10 Original MSD	Spikelot HGTXAQ40 % Rec	MSD RPD	QC Limit
Mercury	0.0	2.6	3	86.7 16.7

Associated samples MP7018: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7018
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 12/12/07

Metal	BSP Result	Spikelot HGTXAQ40	QC % Rec	QC Limits
Mercury	2.8	3	93.3	80-120

Associated samples MP7018: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.3.3
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7033
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date:

12/14/07

Metal	RL	IDL	MB raw	final
Mercury	0.017	.0041	-0.0030	<0.017

Associated samples MP7033: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

84.1

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MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7033
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date:

12/14/07

12/14/07

Metal	T19944-1 Original DUP	RPD	QC Limits	T19944-1 Original MS	Spikelot HGTXWS1	QC % Rec	QC Limits
Mercury	0.079	0.075	5.2	0-20	0.079	0.55	0.427

Associated samples MP7033: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

8.4.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7033
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date:

12/14/07

Metal	T19944-1 Original	Spikelot HGTXWS1	MSD % Rec	QC RPD	QC Limit
Mercury	0.079	0.50	0.394	106.8	9.5

Associated samples MP7033: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

8.4.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7033
Matrix Type: SOLID

Methods: SW846 7471A
Units: mg/kg

Prep Date:

12/14/07

Metal	LCS Result	Spikelot HGLCD049	QC % Rec	QC Limits
Mercury	4.2	4.18	100.5	68-132

Associated samples MP7033: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9, T19944-10, T19944-11, T19944-12, T19944-13

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

8.4.3
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7039
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:

12/14/07

Metal	RL	IDL	MB raw	final
Aluminum	200	51		
Antimony	5.0	1.8		
Arsenic	5.0	1.4		
Barium	200	.1		
Beryllium	5.0	.06		
Boron	100	1.4		
Cadmium	4.0	.5		
Calcium	5000	8		
Chromium	10	.9		
Cobalt	50	.99		
Copper	25	1.4		
Iron	100	16		
Lead	3.0	.7		
Magnesium	5000	8		
Manganese	15	.2		
Molybdenum	10	.45		
Nickel	40	1		
Potassium	5000	80		
Selenium	5.0	1.7	-0.33	<5.0
Silver	10	.5		
Sodium	5000	160		
Strontium	20	.5		
Thallium	10	1.5		
Tin	20	1.5		
Titanium	20	.5		
Vanadium	50	.4		
Zinc	20	.8		

Associated samples MP7039: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits
(anr) Analyte not requested

8.5.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7039
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date:

12/14/07

12/14/07

Metal	T19927-10 Original DUP	RPD	QC Limits	T19927-10 Original MS	Spikelot MPTW3	% Rec	QC Limits
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Boron							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Molybdenum							
Nickel							
Potassium							
Selenium	0.0	0.0	NC	0-20	0.0	358	400
Silver							
Sodium							
Strontium							
Thallium							
Tin							
Titanium							
Vanadium							
Zinc							

Associated samples MP7039: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

8.5.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7039
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date:

12/14/07

Metal	T19927-10 Original MSD	Spikelot MPTW3	MSD % Rec	QC RPD	Limit
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Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium	0.0	329	400	82.3	8.4
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Silver

Sodium

Strontium

Thallium

Tin

Titanium

Vanadium

Zinc

Associated samples MP7039: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

8.5.2

8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7039
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/14/07

Metal	BSP Result	Spikelot MPTW3	QC % Rec	QC Limits
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Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium 426 400 106.5 80-120

Silver

Sodium

Strontium

Thallium

Tin

Titanium

Vanadium

Zinc

Associated samples MP7039: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

- (*) Outside of QC limits
- (anr) Analyte not requested

8.5.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: T19944
 Account: KLETXAU - KLEINFELDER
 Project: Falcon Refinery Superfund Site/Ingleside, TX

QC Batch ID: MP7039
 Matrix Type: AQUEOUS

Methods: SW846 6010B
 Units: ug/l

Prep Date: 12/14/07

Metal	T19927-10 Original SDL 1:5	RPD	QC Limits
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Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium 0.00 0.00 NC 0-10

Silver

Sodium

Strontium

Thallium

Tin

Titanium

Vanadium

Zinc

Associated samples MP7039: T19944-3, T19944-7, T19944-14

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

8.5.4
8



IT'S ALL IN THE CHEMISTRY

General Chemistry

QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN12775	0.010	<0.010	mg/l	0.2	0.21	102.0	88-113%

Associated Samples:

Batch GN12775: T19944-14, T19944-3, T19944-7

(*) Outside of QC limits

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DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent Solids, Percent	GN12775	T19944-14	mg/l	0.0040 U	<0.010	0.0	0-11%
	GN12819	T20003-6	%	80.5	82	1.8	0-20%

Associated Samples:

Batch GN12775: T19944-14, T19944-3, T19944-7

Batch GN12819: T19944-1, T19944-10, T19944-11, T19944-12, T19944-13, T19944-2, T19944-4, T19944-5, T19944-6, T19944-8, T19944-9

(*) Outside of QC limits

9.2

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MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T19944
Account: KLETXAU - KLEINFELDER
Project: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN12775	T19944-14	mg/l	0.0040 U	0.1	0.087	87.0	70-122%

Associated Samples:

Batch GN12775: T19944-14, T19944-3, T19944-7

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

9.3
9



Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody

SUB COC

10165 Harwin, Suite 150 - Houston, TX 77036 - 713-271-4700 fax: 713-271-4770

Page 1 of

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

10.1
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T19944: Chain of Custody

Page 1 of 2

Accutest Laboratories Southeast, Inc.

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: T19944 CLIENT: A/GC PROJECT: T19944
DATE/TIME RECEIVED: 12-6-07 09:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1-4
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: 8604 8199 6301

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

- NUMBER OF ENCORES ? 6
NUMBER OF 5035 FIELD KITS ? 12
NUMBER OF LAB FILTERED METALS ? 8

SUMMARY OF COMMENTS: T19944-1 received 2 jars COC ask for 1

SAMPLE INFORMATION

- SAMPLE LABELS NOT PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DOES NOT MATCH LABEL(S)
- ID'S ON COC DOES NOT MATCH LABEL(S)
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT NOT FROZEN WITHIN 48 HOUR'S
- RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

TECHNICIAN SIGNATURE/DATE 12-6-07 EFT TECHNICIAN SIGNATURE/DATE je 12-6-07 ASBD 10/03/06

10.1
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T19944: Chain of Custody
Page 2 of 2



IT'S ALL IN THE CHEMISTRY

General Chemistry

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries



METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T19944
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GN28760	2.0	<2.0	mg/kg	10.0	10	99.5	80-120%
Chromium, Hexavalent	GN28761	2.0	<2.0	mg/kg	10.0	10.3	103.0	80-120%

Associated Samples:

Batch GN28760: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6

Batch GN28761: T19944-10, T19944-11, T19944-12, T19944-13, T19944-8, T19944-9

(*) Outside of QC limits

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DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T19944
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GN28760	T19944-4	mg/kg	1.3 U	<2.6	43.5 (a)	0-20%
Chromium, Hexavalent	GN28761	T19944-8	mg/kg	1.2 U	<2.0	0.0	0-20%

Associated Samples:

Batch GN28760: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6

Batch GN28761: T19944-10, T19944-11, T19944-12, T19944-13, T19944-8, T19944-9

(*) Outside of QC limits

(a) RPD acceptable due to low duplicate and sample concentrations.

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MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T19944
Account: ALGC - Accutest Laboratories Gulf Coast, Inc.
Project: KLETXAU: Falcon Refinery Superfund Site/Ingleside, TX

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GN28760	T19944-4	mg/kg	1.3 U	65.1	62.0	95.2	80-120%
Chromium, Hexavalent	GN28761	T19944-8	mg/kg	1.2 U	12.1	9.5	76.5*(a)	80-120%

Associated Samples:

Batch GN28760: T19944-1, T19944-2, T19944-4, T19944-5, T19944-6

Batch GN28761: T19944-10, T19944-11, T19944-12, T19944-13, T19944-8, T19944-9

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

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